



# GRK 7 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-30790                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>       | WB;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>          | GRK7                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Name</b>       | G protein-coupled receptor kinase 7                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human GRK7. AA range:371-420                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity</b>        | GRK 7 Polyclonal Antibody detects endogenous levels of GRK 7 protein.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>           | GRK7; GPRK7; G protein-coupled receptor kinase 7; G protein-coupled receptor kinase GRK7                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Observed Band</b>      | 62kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cell Pathway</b>       | Membrane ; Lipid-anchor .                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b> | Retinal cones, outer and inner segments.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>           | catalytic activity:ATP + [G-protein-coupled receptor] = ADP + [G-protein-coupled receptor] phosphate.,function:Phosphorylates cone opsins thereby initiating their deactivation.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RGS domain.,tissue specificity:Retina. Cones and rod., |
| <b>Background</b>         | This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. It                                                                                                                                                                                                                                                                                                             |

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is specifically expressed in the retina and the encoded protein has been shown to phosphorylate cone opsins and initiate their deactivation. [provided by RefSeq, Jul 2008],

**matters needing attention**

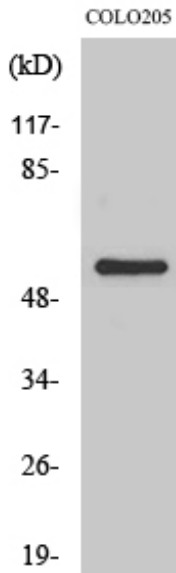
Avoid repeated freezing and thawing!

**Usage suggestions**

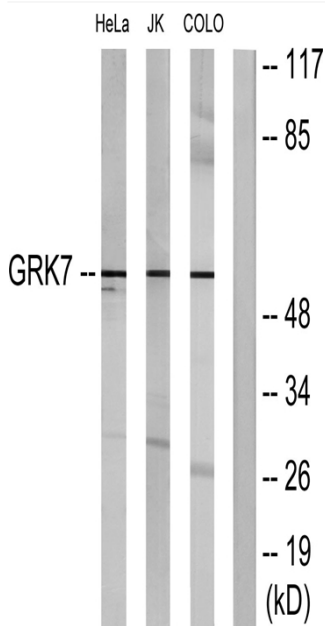
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western Blot analysis of various cells using GRK 7 Polyclonal Antibody



Western blot analysis of lysates from COLO205, Jurkat, and HeLa cells, using GRK7 Antibody. The lane on the right is blocked with the synthesized peptide.