



## CASC3 rabbit pAb

| Catalog No         BYab-11356           Isotype         IgG           Reactivity         Human; Mouse;Rat           Applications         WB           Gene Name         CASC3 MLN51           Protein Name         CASC3           Immunogen         Synthesized peptide derived from human CASC3 AA range: 434-484           Specificity         This antibody detects endogenous levels of CASC3 at Human/Mouse/Rat           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1: 500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Observed Band           Cell Pathway         Cytoplasm. Cytoplasm, perinuclear region. Nucleus. Nucleus speckle Cytoplasm in a XPO1/CRM1-tdependent manner. Transported to the cytoplasm in a XPO1/CRM1-tdependent manner. Transported to the cytoplasm as part of the exon junction complex (EJC) bound to mRNAQ HubMed: 1768247). In nuclear speckles, colocalizes with MAGOH. Under stress conditions, colocalizes with FMR1 and TRBMSA EJC core factors in eytoplasmio stress granules to dendritio to MAGOH and RBMSA EJC core factors in eytoplasmio stress granules to dendritio to M |                   |  |
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| Applications  Gene Name  CASC3 MLN51  Protein Name  CASC3  Immunogen  Synthesized peptide derived from human CASC3 AA range: 434-484  Specificity  This antibody detects endogenous levels of CASC3 at Human/Mouse/Rat  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Polyclonal, Rabbit, IgG  Purification  The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution  WB 1: 500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Observed Band  Cell Pathway  Cytoplasm. Cytoplasm, perinuclear region. Nucleus. Nucleus speckle. Cytoplasm, Stress granule. Cytoplasm, Cytoplasmic ribonucleoprotein granule. Cell projection, dendrite. Shuttles between the nucleus and the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA (PubMed:15166247). In nuclear speckles, colocalizes with MAGOH. Under stress contions, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granules (PubMed:1551652158). In the dendrites of hippocampal neurons.   | Isotype           | IgG  |
| Gene Name         CASC3 MLN51           Protein Name         CASC3           Immunogen         Synthesized peptide derived from human CASC3 AA range: 434-484           Specificity         This antibody detects endogenous levels of CASC3 at Human/Mouse/Rat           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1: 500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Cytoplasm, Stress granule . Cytoplasm, Cytoplasmic ribonucleoprotein granule . Cell projection, dendrite . Shuttles between the nucleus and the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA (PubMed:15166247). In nuclear speckles, colocalizes with MAGOH. Under stress conditions, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granules (PubMed:17652158). In the dendrites of hippocampal neurons,  | Reactivity        | Human; Mouse;Rat   |
| Protein Name  CASC3  Immunogen  Synthesized peptide derived from human CASC3 AA range: 434-484  Specificity  This antibody detects endogenous levels of CASC3 at Human/Mouse/Rat  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Polyclonal, Rabbit,IgG  Purification  The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution  WB 1: 500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Observed Band  Cell Pathway  Cytoplasm . Cytoplasm , perinuclear region . Nucleus . Nucleus speckle . Cyloplasm, Stress granule . Cytoplasm, Cytoplasmic ribonucleoprotein granule . Cytoplasm, Cytoplasmic ribonucleoprotein granule a XPO1/CRM1-dependent manner. Transported to the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm as part of the exon junction complex (E.JC) bound to mRNA (PubMed:15166247). In nuclear speckles, colocalizes with MAGOH . Under stress conditions, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granules of hippocampal neurons.   | Applications      | WB   |
| Immunogen       Synthesized peptide derived from human CASC3 AA range: 434-484         Specificity       This antibody detects endogenous levels of CASC3 at Human/Mouse/Rat         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Polyclonal, Rabbit, IgG         Purification       The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.         Dilution       WB 1: 500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band         Cell Pathway       Cytoplasm . Cytoplasm, perinuclear region . Nucleus . Nucleus speckle . Cytoplasm, Stress granule . Cytoplasm, Cytoplasmic in bonucleoprotein granule . Cell projection, dendrite . Shuttles between the nucleus and the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA (PubMed:15166247). In nuclear speckles, colocalizes with MAGOH. Under stress conditions, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granules (PubMed:17652158). In the dendrites of hippocampal neurons,   | Gene Name         | CASC3 MLN51  |
| Specificity         This antibody detects endogenous levels of CASC3 at Human/Mouse/Rat           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1: 500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Observed Band           Cell Pathway         Cytoplasm . Cytoplasm, perinuclear region . Nucleus . Nucleus speckle . Cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm as part of the exon junction complex (EJZC) bound to mRNA (PubMed:15166247). In nuclear speckles, colocalizes with MAGOH. Under stress conditions, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granules (PubMed:17652158). In the dendrites of hippocampal neurons,  | Protein Name      | CASC3  |
| Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Polyclonal, Rabbit, IgG  Purification  The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  Dilution  WB 1: 500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Observed Band  Cell Pathway  Cytoplasm . Cytoplasm, perinuclear region . Nucleus . Nucleus speckle . Cytoplasm, Stress granule . Cytoplasm, Cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm in a XPO1/CRM1-dependent manner. Transported to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA (PubMed:15166247). In nuclear speckles, colocalizes with MAGOH. Under stress conditions, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granule stress granule serves.   | Immunogen         | Synthesized peptide derived from human CASC3 AA range: 434-484   |
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**Tissue Specificity** Widely expressed. Overexpressed in breast cancers and metastasis, as well as in gastrić cancers.

**Function** 

domain:The coiled coil domain may be involved in oligomerization.,function:Component of the dendritic ribonucleoprotein particles

(RNPs) in hippocampal neurons. May play a role in mRNA transport.,PTM:Phosphorylated.,subcellular location:Predominantly found in the

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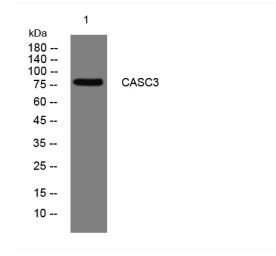


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|                           | perinuclear region (By similarity). Shuttles between the nucleus and the cytoplasm in a CRM1-dependent manner.,subunit:Interacts with STAU in an RNA-dependent manner (By similarity). Forms homo-oligomers.,tissue specificity:Widely expressed. Overexpressed in breast cancers and metastasis, as well as in gastric cancers.,   |
|---------------------------|---|
| Background                | The product of this gene is a core component of the exon junction complex (EJC), a protein complex that is deposited on spliced mRNAs at exon-exon junctions and functions in nonsense-mediated mRNA decay (NMD). The encoded protein binds RNA and interacts with two other EJC core components. It is predominantly located in the cytoplasm, but shuttles into the nucleus where it localizes to nuclear speckles. [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 lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night

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