



# DOC2A rabbit pAb

<b>Catalog No</b>	BYab-08727
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	DOC2A
<b>Protein Name</b>	DOC2A
<b>Immunogen</b>	Synthesized peptide derived from human DOC2A AA range: 22-72
<b>Specificity</b>	This antibody detects endogenous levels of DOC2A at Human/Mouse/Rat
<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 serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Lysosome . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Peripheral membrane protein . Cell junction, synapse, synaptosome.
<b>Tissue Specificity</b>	Predominantly expressed in brain. Also expressed in testis.
<b>Function</b>	domain:C2 domain 1 is involved in binding calcium and phospholipids.,function:May be involved in calcium dependent neurotransmitter release through the interaction with UNC13A. May be involved in dynein-dependent intracellular vesicle transport. In vitro, binds calcium and phospholipids.,similarity:Contains 2 C2 domains.,subcellular location:Colocalizes to synaptic vesicles.,subunit:Interacts through its N-terminus with UNC13A. Interacts with cytoplasmic dynein light chain TCTEL1/TCTEX1.,tissue specificity:Predominantly expressed in brain. Also expressed in testis.,
<b>Background</b>	There are at least two protein isoforms of the Double C2 protein, namely alpha (DOC2A) and beta (DOC2B), which contain two C2-like domains. DOC2A and DOC2B are encoded by different genes; these genes are at times confused with

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the unrelated DAB2 gene which was initially named DOC-2. DOC2A is mainly expressed in brain and is suggested to be involved in Ca(2+)-dependent neurotransmitter release. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],

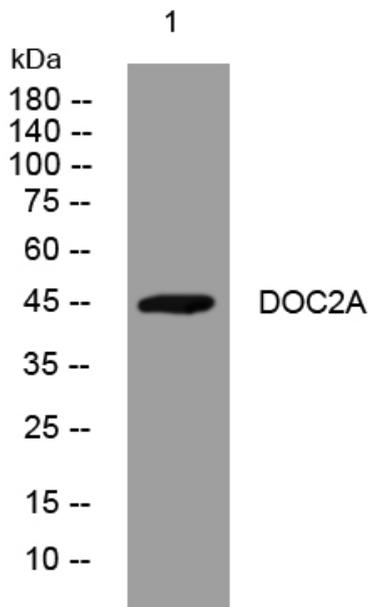
**matters needing attention**

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 A431 cells, primary antibody was diluted at 1:1000, 4° over night