

DOC2A antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15147

Product Information

Application	WB
Primary Accession	Q14183
Other Accession	NM_003586 , NP_003577
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43959

Additional Information

Gene ID	8448
Alias Symbol	Doc2
Other Names	Double C2-like domain-containing protein alpha, Doc2, Doc2-alpha, DOC2A
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DOC2A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DOC2A antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

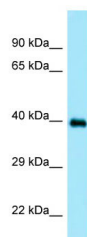
Protein Information

Name	DOC2A
Function	Calcium sensor which most probably regulates fusion of vesicles with membranes. Binds calcium and phospholipids. May be involved in calcium dependent neurotransmitter release through the interaction with UNC13A. May be involved in calcium-dependent spontaneous release of neurotransmitter in absence of action potentials in neuronal cells. Regulates Ca(2+)-dependent secretory lysosome exocytosis in mast cells.
Cellular Location	Lysosome. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein. Synapse, synaptosome
Tissue Location	Predominantly expressed in brain. Also expressed in testis.

References

Orita S.,et al.Biochem. Biophys. Res. Commun. 206:439-448(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Sakaguchi G.,et al.Biochem. Biophys. Res. Commun. 217:1053-1061(1995).
Mochida S.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:11418-11422(1998).

Images



WB Suggested Anti-DOC2A Antibody Titration: 1.0 µg/ml
Positive Control: Placenta

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.