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anti-DOC2A antibody (Middle Region)



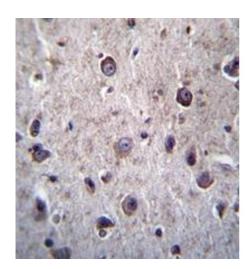


Overview

Quantity:	0.4 mL
Target:	DOC2A
Binding Specificity:	AA 284-314, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DOC2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 284-314 amino acids from the Central region of Human DOC2A
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human DOC2A (Center).
Purification:	Protein A column, followed by peptide affinity purification
Purification: Target Details	Protein A column, followed by peptide affinity purification
	Protein A column, followed by peptide affinity purification DOC2A

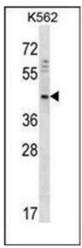
Target Details

3	
Background:	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 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. Synonyms: Doc2, Doc2-alpha, Double C2-like domain-containing protein alpha
Molecular Weight:	43959 Da
Gene ID:	8448
NCBI Accession:	NP_003577
Pathways:	Synaptic Vesicle Exocytosis
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin fixed and paraffin embedded human brain tissue reacted with DOC2A Antibody followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of DOC2A Antibody in K562 cell line lysates (35ug/lane). This demonstrates the DOC2A antibody detected the DOC2A protein (arrow).