

Rabbit DOC2A Polyclonal Antibody | anti-DOC2A antibody

DOC2A Antibody (Center)

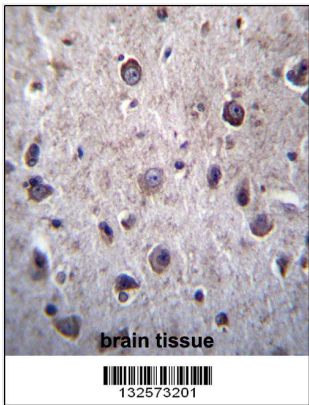
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288612	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

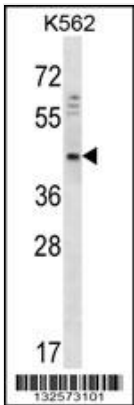
DOC2A; Polyclonal Antibody; DOC2A Antibody (Center); Double C2-like domain-containing protein alpha; Doc2; Doc2-alpha; anti-DOC2A antibody

PRODUCT SPECIFICATIONS

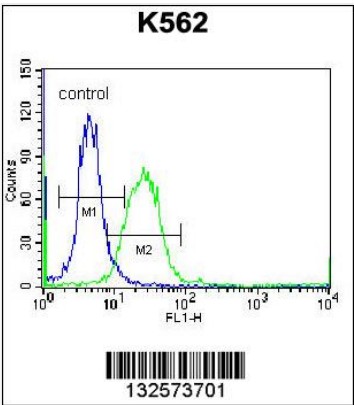
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DOC2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 277-306 amino acids from the Central region of human DOC2A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	277-306
Sequence Length	400
Applicable Applications for anti-DOC2A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
DOC2A Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DOC2A Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
DOC2A Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the DOC2A antibody detected the DOC2A protein (arrow).



FCM/FACS (Flow Cytometry)
DOC2A Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-DOC2A antibody	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.
References	Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Glessner, J.T., et al. Proc. Natl. Acad. Sci. U.S.A. 107(23):10584-10589(2010) Guilmatre, A., et al. Arch. Gen. Psychiatry 66(9):947-956(2009) Kumar, R.A., et al. PLoS ONE 4 (2), E4582 (2009) : Higashio, H., et al. J. Immunol. 180(7):4774-4784(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	530719513
NCBI GeneID	8448
NCBI Accession #	NP_001268991.1; NP_001268992.1; NP_001268997.1; NP_003577.2

NCBI GenBank Nucleotide #	NM_001282062.1
UniProt Accession #	Q14183 ; Q6P4G4 ; Q7Z5G0 ; Q8IVX0 ; B4DEJ2 ; H3BNH6
Molecular Weight	43959
NCBI Official Full Name	double C2-like domain-containing protein alpha
NCBI Official Synonym Full Names	double C2-like domains, alpha
NCBI Official Symbol	DOC2A
NCBI Official Synonym Symbols	Doc2
NCBI Protein Information	double C2-like domain-containing protein alpha
UniProt Protein Name	Double C2-like domain-containing protein alpha
UniProt Gene Name	DOC2A
UniProt Synonym Gene Names	Doc2; Doc2-alpha
UniProt Entry Name	DOC2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/doc2a-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/288612>