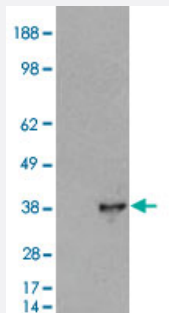


DOK5 polyclonal antibody

Catalog # PAB6689

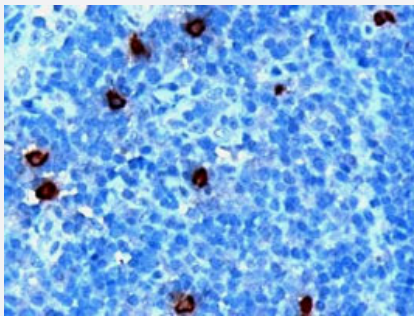
Size 100 ug

Applications



Western Blot (Transfected lysate)

HEK293 overexpressing DOK5 and probed with DOK5 polyclonal antibody (Cat # PAB6689) (mock transfection in first lane), tested by Origene.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DOK5 polyclonal antibody (Cat # PAB6689) (1 ug/mL) staining of paraffin embedded human tonsil. Microwaved antigen retrieval with citrate buffer pH6, HRP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of DOK5.
Immunogen	A synthetic peptide corresponding to human DOK5.
Sequence	CLHRTETFPAYRSEH
Host	Goat
Theoretical MW (kDa)	35.5
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms of DOK5.

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) Immunohistochemistry (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

HEK293 overexpressing DOK5 and probed with DOK5 polyclonal antibody (Cat # PAB6689) (mock transfection in first lane), tested by Origene.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DOK5 polyclonal antibody (Cat # PAB6689) (1 ug/mL) staining of paraffin embedded human tonsil. Microwaved antigen retrieval with citrate buffer pH6, HRP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DOK5

Entrez GeneID	55816
Protein Accession#	NP_060901;NP_808874
Gene Name	DOK5
Gene Alias	C20orf180, MGC16926
Gene Description	docking protein 5

Omim ID [608334](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the DOK family of membrane proteins, which are adapter proteins involved in signal transduction. The encoded protein interacts with phosphorylated receptor tyrosine kinases to mediate neurite outgrowth and activation of the MAP kinase pathway. In contrast to other DOK family proteins, this protein does not interact with RASGAP. [provided by RefSeq]

Other Designations OTTHUMP00000031322|downstream of tyrosine kinase 5

Publication Reference

- [Two new substrates in insulin signaling, IRS5/DOK4 and IRS6/DOK5.](#)

Cai D, Dhe-Paganon S, Melendez PA, Lee J, Shoelson SE.

The Journal of Biological Chemistry 2003 May; 278(28):25323.

Disease

- [Bipolar Disorder](#)
- [Diabetes Mellitus](#)
- [Dominance](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Pattern Recognition](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)