

Anti-DOK6 Antibody

Catalog # AP53296

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q6PKX4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38318

Additional Information

Gene ID	220164
Other Names	DOK5L; Docking protein 6; Downstream of tyrosine kinase 6
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DOK6. The exact sequence is proprietary.
Dilution	WB~~ 1:500-1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

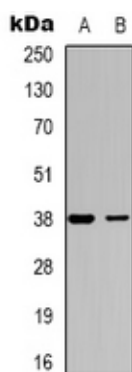
Protein Information

Name	DOK6
Synonyms	DOK5L
Function	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK6 promotes Ret-mediated neurite growth. May have a role in brain development and/or maintenance.
Tissue Location	Highly expressed in fetal and adult brain. Highly expressed in the cerebellum. Weak expression in kidney, spinal cord and testis.

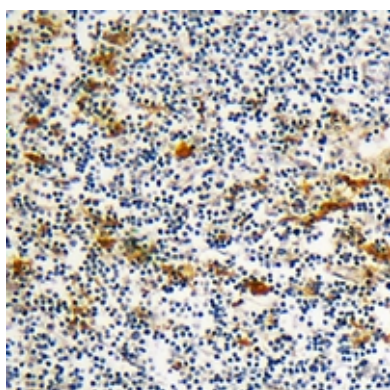
References

Crowder R.J.,et al.J. Biol. Chem. 279:42072-42081(2004).
Nusbaum C.,et al.Nature 437:551-555(2005).

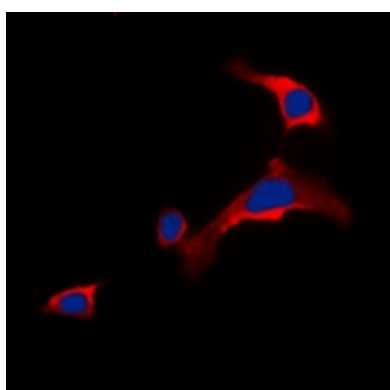
Images



Western blot analysis of DOK6 expression in SHSY5Y (A), COLO205 (B) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 38 kD)



Immunohistochemical analysis of DOK6 staining in human lymph node formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of DOK6 staining in COLO205 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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