

Dok-3 Polyclonal Antibody

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|------------------------------|---|
| Catalog No : | YT1397 |
| Reactivity : | Human;Mouse |
| Applications : | WB;IHC;IF;ELISA |
| Target : | Dok-3 |
| Gene Name : | DOK3 |
| Protein Name : | Docking protein 3 |
| Human Gene Id : | 79930 |
| Human Swiss Prot No : | Q7L591 |
| Mouse Gene Id : | 27261 |
| Mouse Swiss Prot No : | Q9QZK7 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human DOK3. AA range:101-150 |
| Specificity : | Dok-3 Polyclonal Antibody detects endogenous levels of Dok-3 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications. |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |

Observed Band : 58kD

Cell Pathway : B_Cell_Antigen

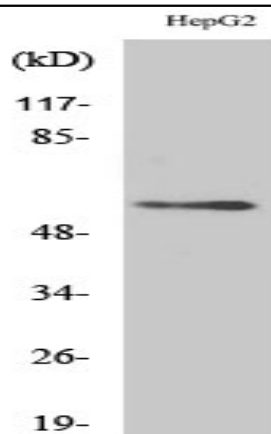
Background : domain:PTB domain mediates receptor interaction.,function:DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP1. May modulate ABL function.,PTM:Constitutively tyrosine-phosphorylated.,PTM:On IL2 stimulation, phosphorylated on C-terminal tyrosine residues possibly by Src kinases. Can also be phosphorylated by ABL kinase.,similarity:Belongs to the DOK family. Type A subfamily.,similarity:Contains 1 IRS-type PTB domain.,similarity:Contains 1 PH domain.,subunit:On tyrosine phosphorylation, interacts with CSK and INPP5D/SHIP1 via their SH2 domains. Both Tyr-381 and Tyr-398 are required for interaction with INPP5D. Only Tyr-381 is required for interaction with CSK. Binds ABL through the PTB domain and in a kinase-dependent manner. Does not interact with RasGAP.,tissue specificity:Expressed in spleen.,

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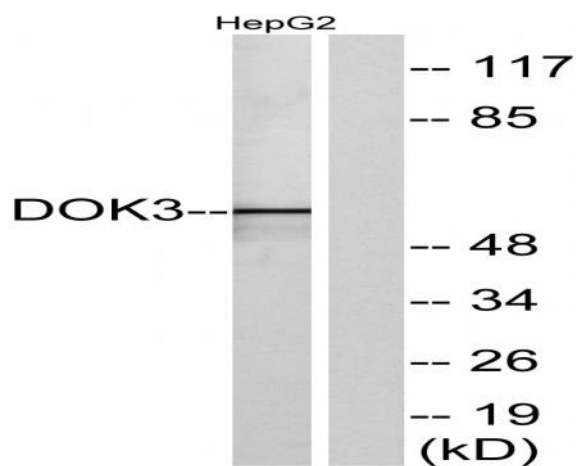
Subcellular Location : Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side .

Expression : Expressed in spleen.

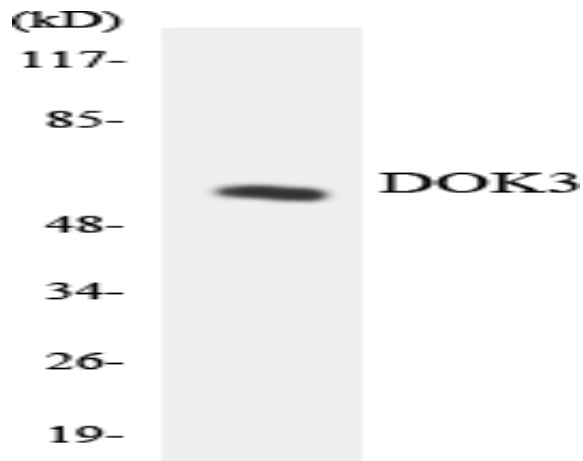
Products Images



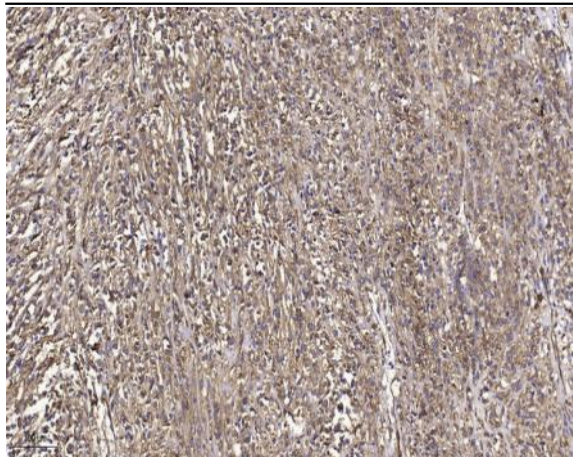
Western Blot analysis of various cells using Dok-3 Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, using DOK3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using DOK3 antibody.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200