

Rabbit Anti-DOK2 Polyclonal Antibody

CPB-803RH Rabbit(DOK2)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-DOK2 Polyclonal Antibody
Antigen Description	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate the cellular proliferation induced by IL-4, as well as IL-2 and IL-3. May be involved in modulating Bcr-Abl signaling. Attenuates EGF-stimulated MAP kinase activation
specificity	The antibody detects endogenous level of DOK2 only when phosphorylated at tyrosine 299.
Target	DOK2
Immunogen	Peptide sequence around phosphorylation site of tyrosine 299 (G-E-Y(p)-A-V) derived from Human DOK2.
Host	Rabbit
Species	Human
Cross Reactivity	Human
conjugation	N/A
Applications	IFA,WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/ 1year

ANTIGEN GENE INFORMATION

Gene Name	DOK2 docking protein 2, 56kDa [Homo sapiens]
Official Symbol	DOK2
Synonyms	DOK2; docking protein 2, 56kDa; docking protein 2, 56kD; docking protein 2; Dok 2; p56dok 2; p56(dok-2); downstream of tyrosine kinase 2; p56DOK; p56dok-2;
GeneID	9046
mRNA Refseq	NM_003974
Protein Refseq	NP_003965
MIM	604997
UniProt ID	O60496
Chromosome Location	8p21.3

Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem; IL2-mediated signaling events, organism-specific biosystem; IL4-mediated signaling events, organism-specific biosystem;
Function	insulin receptor binding; receptor signaling protein activity; transmembrane receptor protein tyrosine kinase adaptor activity;