

Product datasheet for **AP14442PU-N**

DOK1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Flow cytometry.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human DOK1.
Specificity:	This antibody reacts to DOK1.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	docking protein 1
Database Link:	Entrez Gene 1796 Human Q99704



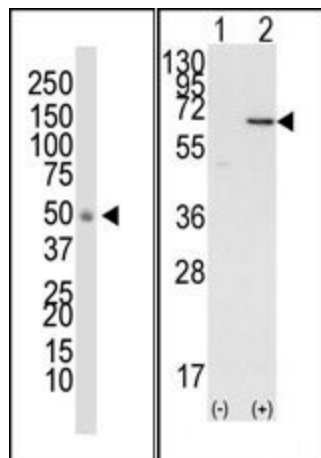
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Background:

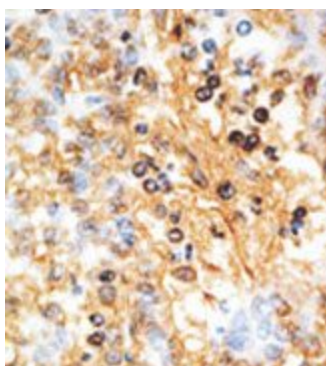
DOK1 is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr/abl), a chimeric protein whose presence is associated with CML. DOK1 contains a putative pleckstrin homology domain at the amino terminus and ten PXXP SH3 recognition motifs. DOK2 binds p120 (RasGAP) from CML cells. It has been postulated to play a role in mitogenic signaling.

Synonyms:

Docking protein 1, pp62, p62(dok)

Product images:


(LEFT) Western blot analysis of anti-DOK1 Pab in HL-60 cell lysate. DOK1 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence. (RIGHT) Western blot analysis of DOK1 (arrow) using DOK1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DOK1 gene (Lane 2).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.