

Anti-Dok1 (Ser-450), Phosphospecific Antibody

Catalog # AN1749

Product Information

Application WB
Primary Accession Q99704
Host Rabbit

Clonality Rabbit Polyclonal

IsotypeIgGClone NamesWB, ECalculated MW52392

Additional Information

Gene ID 1796 Other Names p62DOK

Target/Specificity Doks are a family of adaptor proteins that include six Dok proteins (Dok1 to

Dok6), which have an N-terminal pleckstrin homology domain, a central phosphotyrosine binding domain, and a C-terminal region containing multiple tyrosine residues. When phosphorylated, these tyrosines can serve as docking sites for SH2 domain-containing proteins. Dok1 (p62dok) has been shown to bind Ras-GAP, Nck, and Csk. Several tyrosine phosphorylation sites have been identified for Dok1. One site, Tyr-362 (Tyr-361 mouse), is phosphorylated by c-Abl, is required for Nck binding, and may be critical for filopodia formation during fibroblast spreading on fibronectin. Alternatively, Dok1 activity is also regulated by serine phosphorylation. IkB Kinase β phosphorylates several serine sites including Ser-450 in vitro, and TNFα, IL-1, and radiation treatment

lead to phosphorylation of Ser-443, Ser-446, and Ser-450 in vivo.

Phosphorylation of these serine sites may be required for Dok-mediated

inhibition of MAPK signaling and stimulation of cell motility.

Dilution WB~~1:1000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Anti-Dok1 (Ser-450), Phosphospecific Antibody is for research use only and

not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.