

PAK4 Polyclonal Antibody

Catalog No.	A2782	Category	Polyclonal Antibodies
Applications	WB	Observed MW	64kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	47kDa/48kDa/54kDa/64kDa

Immunogen Information

Immunogen	Recombinant protein of human PAK4
Gene ID	10298
Swiss prot	O96013
Synonyms	PAK4; p21 (RAC1) activated kinase 4

Product information

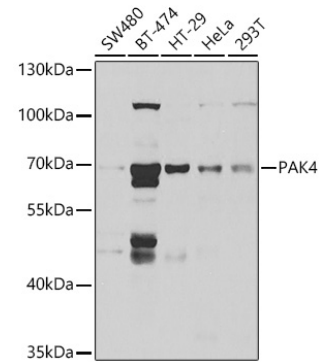
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:1000



Western blot analysis of extracts of various cell lines, using PAK4 antibody (A2782) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 50s.