

[KD Validated] Anti-DAB2IP Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M020021

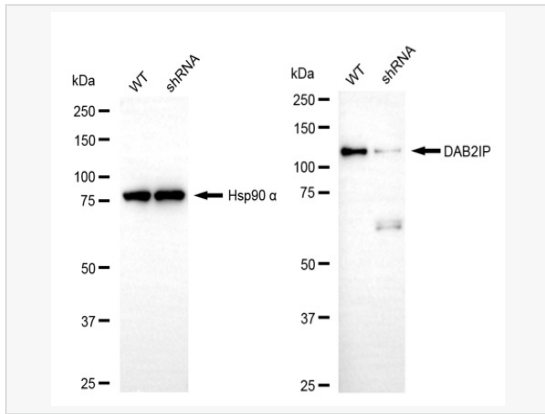
Product Information

Application	WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:200~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	63J74A34
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human DAB2IP
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-DAB2IP Mouse mAb [63J74A34] is for research use only and not for use in diagnostic or therapeutic procedures.

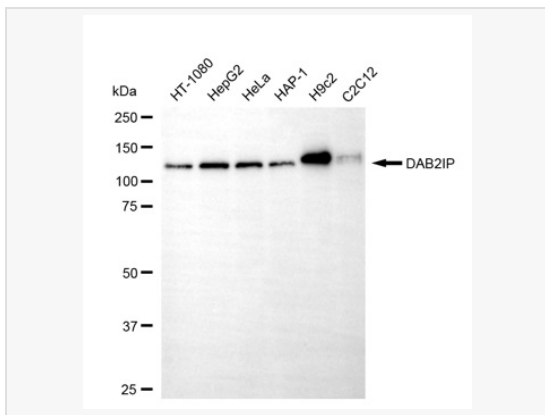
Protein Information

Synonyms	DAB2IP; DAB2 Interacting Protein; AF9Q34; AIP1; KIAA1743; DIP1/2; Disabled Homolog 2-Interacting Protein; DOC-2/DAB2 Interactive Protein; ASK1-Interacting Protein 1; ASK-Interacting Protein 1; DAB2 Interaction Protein; NGAP-Like Protein; AIP-1; DOC-2/DAB-2 Interactive Protein; DAB2-Interacting Protein; ASK-Interacting Protein.
Calculated MW	Calculated MW: 132 kDa; Observed MW: 125 kDa
Uniprot ID	Q5VWQ8
Gene ID	153090
Background	Functions as a scaffold protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Involved in several processes such as innate immune response, inflammation and cell growth inhibition, apoptosis, cell survival, angiogenesis, cell migration and maturation. Plays also a role in cell cycle checkpoint control; reduces G1 phase cyclin levels resulting in G0/G1 cell cycle arrest. Mediates signal transduction by receptor-mediated inflammatory signals, such as the tumor necrosis factor (TNF), interferon (IFN) or lipopolysaccharide (LPS). Modulates the balance between phosphatidylinositol 3-kinase (PI3K)-AKT-mediated cell survival and apoptosis stimulated kinase (MAP3K5)-JNK signaling pathways; sequesters both AKT1 and MAP3K5 and counterbalances the activity of each kinase by modulating their phosphorylation status in response to proinflammatory stimuli. Acts as a regulator of the endoplasmic reticulum (ER) unfolded protein response (UPR) pathway; specifically involved in transduction of the ER stress-response to the JNK cascade through ERN1. Mediates TNF-alpha-induced apoptosis activation by facilitating dissociation of inhibitor 14-3-3 from MAP3K5; recruits the PP2A phosphatase complex which dephosphorylates MAP3K5 on 'Ser-966', leading to the dissociation of 13-3-3 proteins

Validation Images



Western blotting analysis using DAB2IP antibody (M020021). DAB2IP expression in wild-type (WT) and DAB2IP shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DAB2IP antibody (M020021, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using DAB2IP antibody (M020021). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DAB2IP antibody (M020021, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.