Product Name: **KD-Validated DAB2 Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb00389**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 82.4kDa

Antigen Information

Gene Name	DAB2
Alternative Names	DAB2; DAB Adaptor Protein 2; DOC-2; Differentially Expressed In Ovarian Carcinoma 2; Differentially-Expressed Protein 2; DAB2, Clathrin Adaptor Protein 2; Adaptor Molecule Disabled-2; Disabled Homolog 2; DOC2; Disabled (Drosophila) Homolog 2 (Mitogen-Responsive Phosphoprotein); Disabled Homolog 2, Mitogen-Responsive Phosphoprotein (Drosophila); Dab, Mitogen-Responsive Phosphoprotein, Homolog 2 (Drosophila); Disabled Homolog 2, Mitogen-Responsive Phosphoprotein; Dab, Mitogen-Responsive Phosphoprotein, Homolog 2
Gene ID	1601.0
SwissProt ID	P98082
Immunogen	A synthesized peptide derived from human DAB2

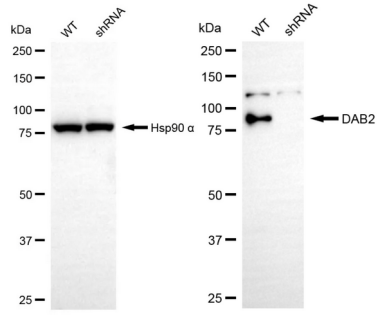
Background

This gene encodes a mitogen-responsive phosphoprotein. It is expressed in normal ovarian epithelial cells, but is down-regulated or absent from ovarian carcinoma cell lines, suggesting its role as a tumor suppressor. This protein binds to the SH3 domains of GRB2, an adaptor protein that couples tyrosine kinase receptors to SOS (a guanine nucleotide exchange factor for Ras), via its C-terminal proline-rich sequences, and may thus modulate growth factor/Ras pathways by competing with SOS for binding to GRB2. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

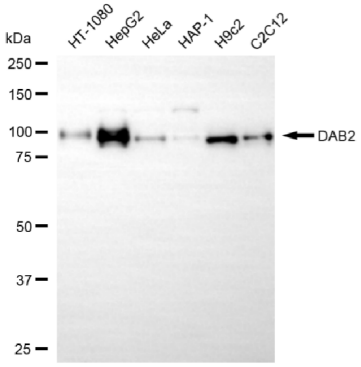
Research Area

Signal Transduction,Epigenetics and Nuclear Signaling

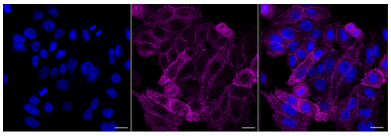
Image Data



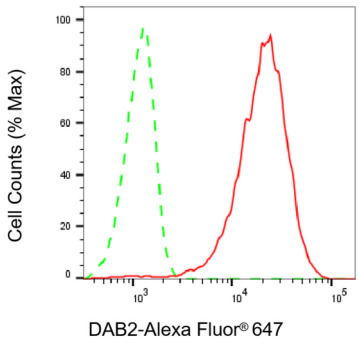
Western blotting analysis using DAB2 antibody (KVAb00389). DAB2 expression in wild-type (WT) and DAB2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DAB2 antibody (KVAb00389, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DAB2 antibody (KVAb00389). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DAB2 antibody (KVAb00389, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with DAB2 antibody (KVAb00389, 1:1,000) . Nuclei were stained blue with DAPI; DAB2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of DAB2 expression in HepG2 cells using DAB2 antibody (KVAb00389, 1:2,000). Green, isotype control; red, DAB2.