

Product Name: KD-Validated MAP Kinase Activating Death Domain Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01013

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 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 183.3kDa

Antigen Information

Gene Name	MADD MAP Kinase Activating Death Domain; DENN; Differentially Expressed In Normal And Neoplastic Cells; KIAA0358; RAB3GEP; IG20; MAP Kinase-Activating Death Domain Protein;
Alternative Names	Insuloma-Glucagonoma Protein 20; Insulinoma Glucagonoma Clone 20; Rab3 GDP/GTP Exchange Protein; Rab3 GDP/GTP Exchange Factor; RabGEF; MAP-Kinase Activating Death Domain; NEDDISH; Rab3GEP; DEEAH
Gene ID	8567.0
SwissProt ID	Q8WYG6
Immunogen	A synthesized peptide derived from human DENN

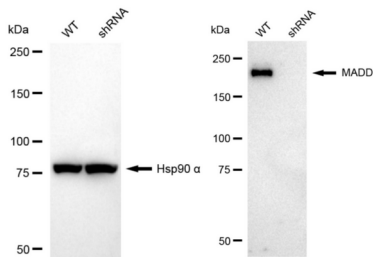
Background

Tumor necrosis factor alpha (TNF-alpha) is a signaling molecule that interacts with one of two receptors on cells targeted for apoptosis. The apoptotic signal is transduced inside these cells by cytoplasmic adaptor proteins. The protein encoded by this gene is a death domain-containing adaptor protein that interacts with the death domain of TNF-alpha receptor 1 to activate mitogen-activated protein kinase (MAPK) and propagate the apoptotic signal. It is membrane-bound and expressed at a higher level in neoplastic cells than in normal cells. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

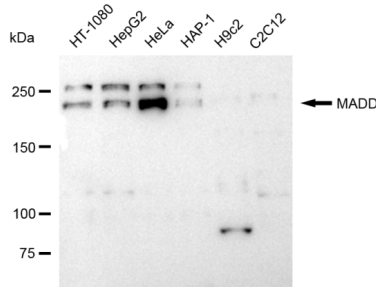
Research Area

Cancer, Metabolism

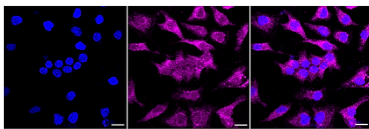
Image Data



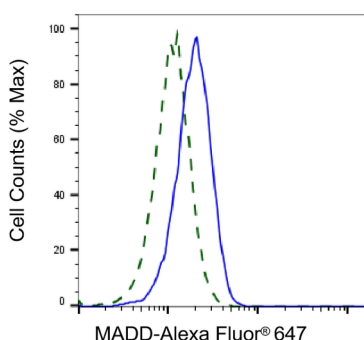
Western blotting analysis using MADD antibody (KVA01013). MADD expression in wild type (WT) and MADD shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MADD antibody (KVA01013, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



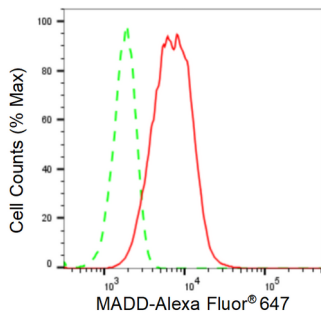
Western blotting analysis using MADD antibody (KVA01013). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MADD antibody (KVA01013, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with MADD antibody (KVA01013, 1:1,000). Nuclei were stained blue with DAPI; MADD 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.



Validation of MADD knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with MADD antibody (KVA01013, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of MADD expression in HeLa cells using MADD antibody (KVA01013, 1:2,000). Green, isotype control; red, MADD.