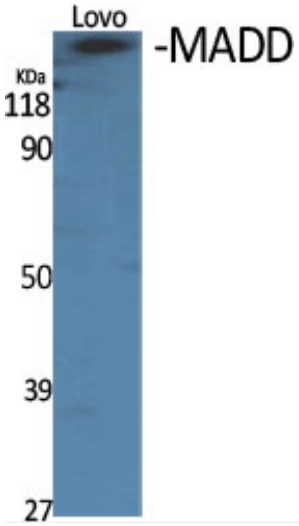
MADD Polyclonal Antibody

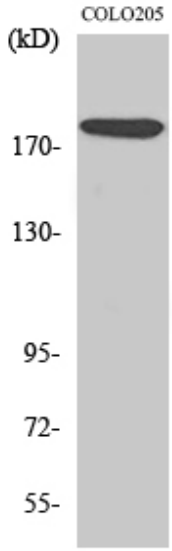
Catalog No	BYab-01854
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MADD
Protein Name	MAP kinase-activating death domain protein
Immunogen	The antiserum was produced against synthesized peptide derived from human MADD. AA range:751-800
Specificity	MADD Polyclonal Antibody detects endogenous levels of MADD protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MADD; DENN; IG20; KIAA0358; MAP kinase-activating death domain protein; Differentially expressed in normal and neoplastic cells; Insulinoma glucagonoma clone 20; Rab3 GDP/GTP exchange factor
Observed Band	183kD
Cell Pathway	Cell membrane . Cytoplasm . Cell projection, axon .
Tissue Specificity	Expressed in testis, ovary, brain and heart (PubMed:8988362). Expressed in spleen, thymus, prostate, testis, ovary, small instestine and colon (PubMed:9115275). Expressed in liver (PubMed:9796103). ; [Isoform 1]: Not detected in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid. ; [Isoform 2]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid. ; [Isoform 3]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid. ; [Isoform 4]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid. ; [Isoform 5]: Expressed in the brain, breast, kidney, lung, ovary, pancreas, testis, uterus, stomach and thyroid. ;

	[Isoform 6]: Not detec
Function	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Plays a significant role in regulating cell proliferation, survival and death through alternative mRNA splicing. Isoform 5 shows increased cell proliferation and isoform 2 shows decreased. Converts GDP-bound inactive form of RAB3A, RAB3C and RAB3D to the GTP-bound active forms. Component of the TNFRSF1A signaling complex: MADD links TNFRSF1A with MAP kinase activation. Plays an important regulatory role in physiological cell death (TNF-alpha-induced, caspase-mediated apoptosis); isoform 1 is susceptible to inducing apoptosis, isoform 5 is resistant and isoform 3 and isoform 4 have no effect.,miscellaneous:Overexpression of MADD activates the mitogen-activated protein (MAP) kinase extracellular signal-regulated kinase (ERK). Expression of the MADD d
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

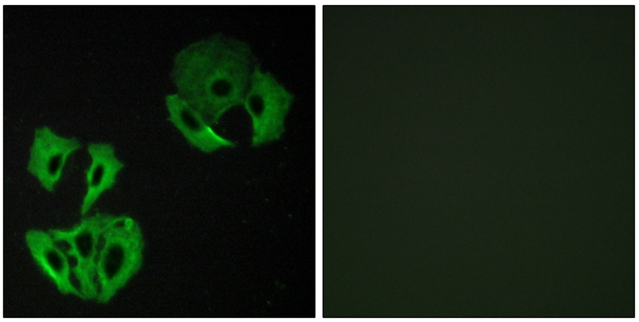
Products Images



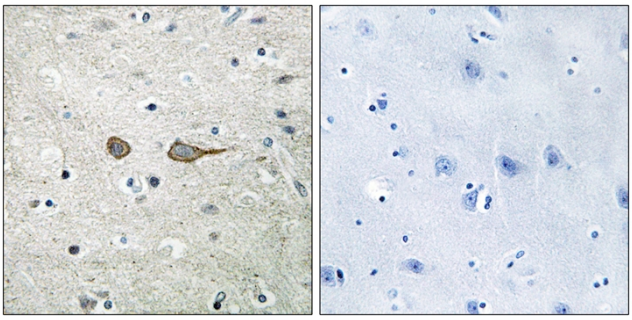
Western Blot analysis of various cells using MADD Polyclonal Antibody diluted at 1:1000



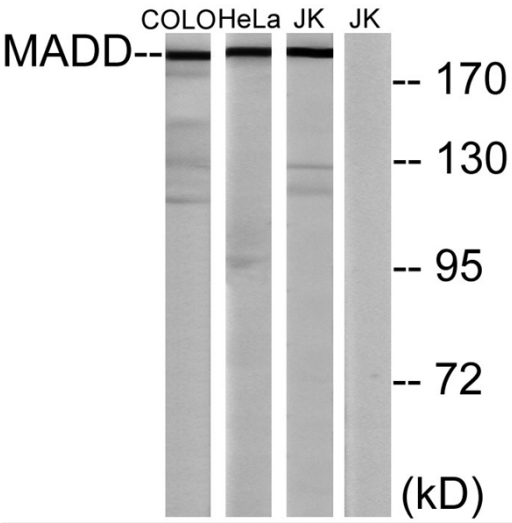
Western Blot analysis of Jurkat cells using MADD Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of A549 cells, using MADD Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MADD Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO, HeLa, and Jurkat cells, using MADD Antibody. The lane on the right is blocked with the synthesized peptide.