

## MADD Polyclonal Antibody

<b>Catalog No :</b>	YT2620
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	MADD
<b>Gene Name :</b>	MADD
<b>Protein Name :</b>	MAP kinase-activating death domain protein
<b>Human Gene Id :</b>	8567
<b>Human Swiss Prot No :</b>	Q8WXG6
<b>Mouse Gene Id :</b>	228355
<b>Mouse Swiss Prot No :</b>	Q80U28
<b>Rat Gene Id :</b>	94193
<b>Rat Swiss Prot No :</b>	O08873
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MADD. AA range:751-800
<b>Specificity :</b>	MADD Polyclonal Antibody detects endogenous levels of MADD protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 183kD

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**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],

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**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

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**Subcellular Location :** Cell membrane . Cytoplasm . Cell projection, axon .

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**Expression :** Expressed in testis, ovary, brain and heart (PubMed:8988362). Expressed in spleen, thymus, prostate, testis, ovary, small intestine 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 detected

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**Sort :** 9330

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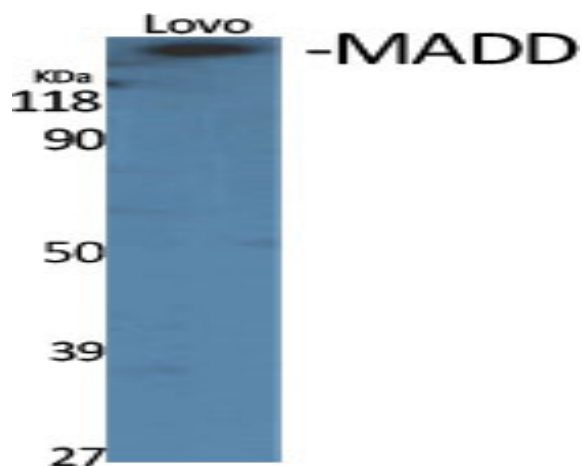
**No4 :** 1

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**Host :** Rabbit

**Modifications :** Unmodified

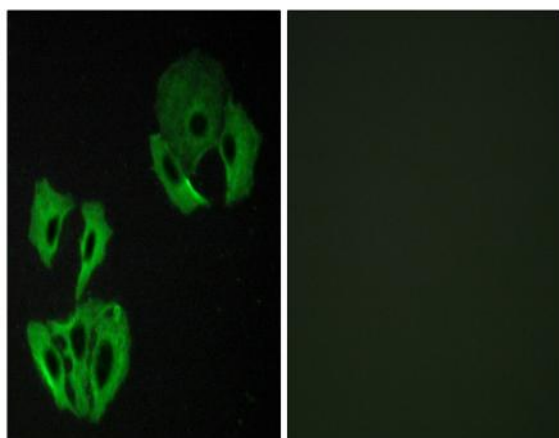
## Products Images



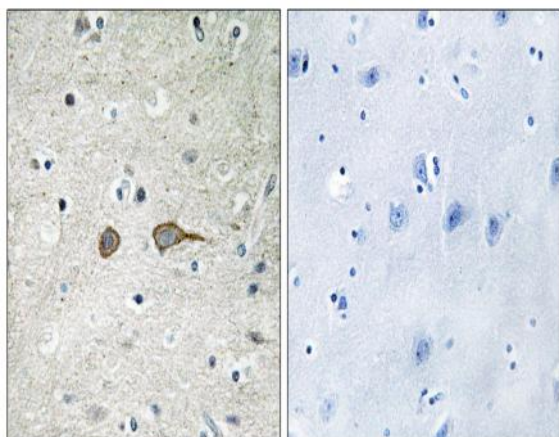
Western Blot analysis of various cells using MADD Polyclonal Antibody diluted at 1:1000



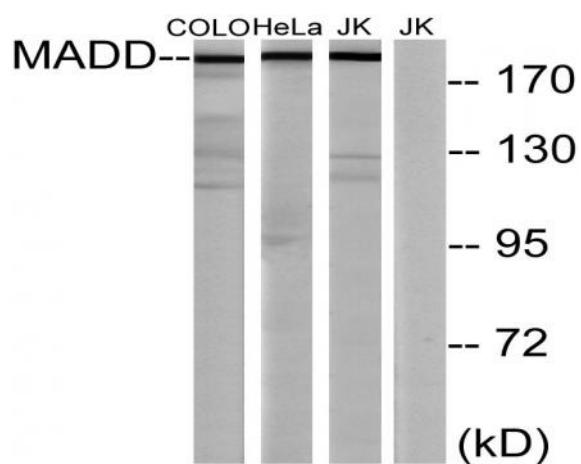
Western Blot analysis of Jurkat cells using MADD Polyclonal Antibody diluted at 1:1000



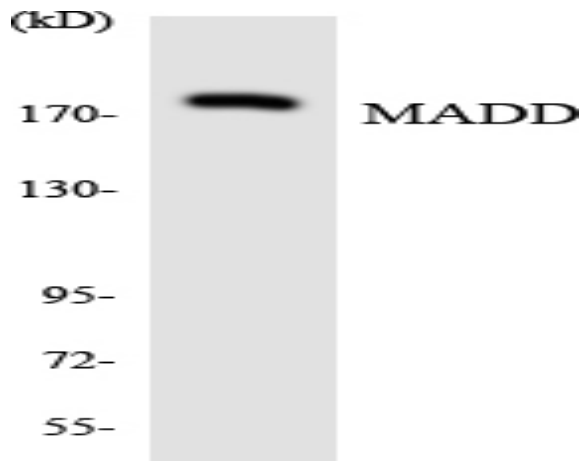
Immunofluorescence analysis of A549 cells, using MADD Antibody. The picture on the right is blocked with the synthesized peptide.



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.



Western blot analysis of the lysates from HepG2 cells using MADD antibody.