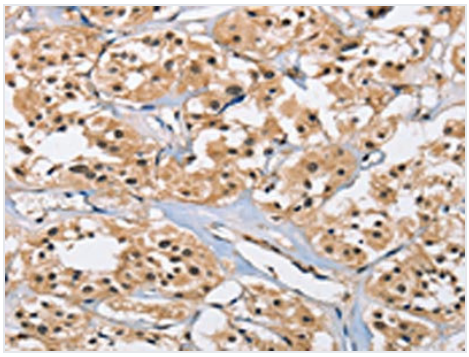
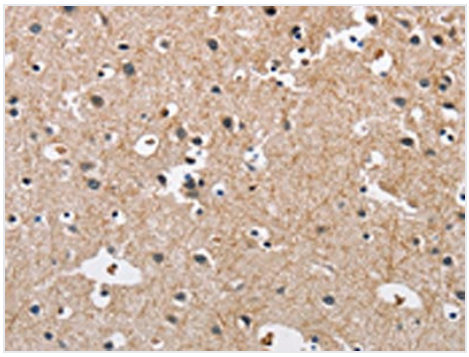
CARD8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CARD8, Polyclonal Antibody
Full Product Name	CARD8 Antibody
Product Gene Name	anti-CARD8 antibody
Product Synonym Names	caspase recruitment domain family; member 8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	431
OMIM	609051
3D Structure	ModBase 3D Structure for Q9Y2G2
Immunogen	Fusion protein of human CARD8
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CARD8 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CARD8 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CARD8 antibody	ELISA: 1:1000-1:2000 IHC: 1:25-1:100
Related Product Information for anti-CARD8 antibody	MBS7125208 is an antibody targeting CARD8. Also known as CARD8 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CARD8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-CARD8 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7125208(CARD8 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-CARD8 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7125208(CARD8 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CARD8. It may not necessarily be applicable to this product.

NCBI GI #	14424229
NCBI GeneID	22900
NCBI Accession #	Q9Y2G2.1
UniProt Primary Accession #	Q9Y2G2
UniProt Secondary Accession #	Q6PGP8; Q96P82; B5KVR6; B7Z496; B7Z4A2; E9PEM7; G3XAM9
UniProt Related Accession #	Q9Y2G2
NCBI Official Full Name	Caspase recruitment domain-containing protein 8
NCBI Official Synonym Full Names	caspase recruitment domain family, member 8
NCBI Official Symbol	CARD8
NCBI Official Synonym Symbols	NDPP; DACAR; DAKAR; NDPP1; TUCAN; CARDINAL
UniProt Protein Name	Caspase recruitment domain-containing protein 8
UniProt Synonym Protein Names	Apoptotic protein NDPP1; CARD-inhibitor of NF-kappa-B-activating ligand; CARDINAL; DACAR; Tumor up-regulated CARD-containing antagonist of CASP9; TUCAN
Protein Family	Caspase recruitment domain-containing protein
UniProt Gene Name	CARD8
UniProt Synonym Gene Names	KIAA0955; NDPP1; CARDINAL; TUCAN
UniProt Entry Name	CARD8_HUMAN
NCBI Protein Information	caspase recruitment domain-containing protein 8; apoptotic protein NDPP1; CARD inhibitor of NF-kappaB-activating ligands; tumor up-regulated CARD-containing antagonist of CASP9; tumor up-regulated CARD-containing antagonist of caspase nine
NCBI Summary for CARD8	The protein encoded by this gene belongs to the caspase recruitment domain (CARD)-containing family of proteins, which are involved in pathways leading to activation of caspases or nuclear factor kappa-B (NFKB). This protein may be a component of the inflammasome, a protein complex that plays a role in the activation of proinflammatory caspases. It is thought that this protein acts as an adaptor molecule that negatively regulates NFKB activation, CASP1-dependent IL1B secretion, and apoptosis. Polymorphisms in this gene may be associated with a susceptibility to rheumatoid arthritis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]

UniProt Comments for CARD8	CARD8: Inhibits NF-kappa-B activation. May participate in a regulatory mechanism that coordinates cellular responses controlled by NF-kappa-B transcription factor. May be a component of the inflammasome, a protein complex which also includes PYCARD, NALP2 and CASP1 and whose function would be the activation of proinflammatory caspases. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Inhibitor Chromosomal Location of Human Ortholog: 19q13.33 Cellular Component: nucleoplasm; cytoplasm; nucleus Molecular Function: NACHT domain binding; protein binding; protein homodimerization activity; caspase activator activity Biological Process: caspase activation; positive regulation of caspase activity; negative regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of interleukin-1 beta secretion
Research Articles on CARD8	**1.** levels of inflammasome-produced cytokines as a measure of inflammasome activation in healthy individuals carrying Q705K polymorphism in the NLRP3 gene combined with C10X in the CARD8 gene
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