CARD8 polyclonal antibody

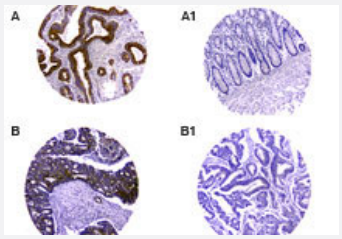
Catalog # PAB0281 Size 50 uL

Applications



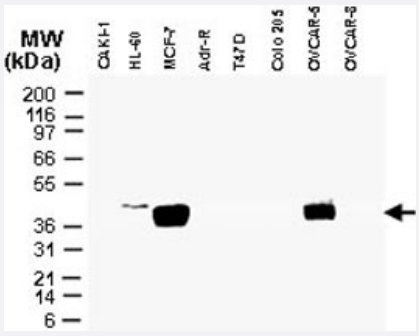
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed, paraffin-embedded tissue human colon microarray stained for CARD8 expression at 1 : 2000. Using CARD8 polyclonal antibody (Cat # PAB0281) . A-A2, sucessively higher magnifications of the microarray. A, low magnification overview. A1, differential CARD8 staining between tissue cores is observed. A2, Areas of intense CARD8 staining in a colon carcinoma tissue core. Hematoxylin eosin counterstain.



Immunohistochemistry

Formalin-fixed, paraffin-embedded tumor/normal adjacent tissue cores from a human colon tissue microarray stained for CARD8 expression at 1:2000 using CARD8 polyclonal antibody (Cat # PAB0281).
A and B are tumor tissue cores.
A1 and B1 are the matched normal adjacent cores from A and B, respectively.
Hematoxylin-eosin counterstain.



Western Blot (Cell lysate)

Western blot analysis of CARD8 in tumor cell lines. Using CARD8 polyclonal antibody (Cat # PAB0281) at 1 : 2000. Cell lysates were normalized for total protein content.

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant CARD8.

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Immunogen	Recombinant protein corresponding to full length human CARD8.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purity	Unpurified
Recommend Usage	Immunohistochemistry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:5000) Immunoprecipitation (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunohistochemistry

  Formalin-fixed, paraffin-embedded tumor/normal adjacent tissue cores from a human colon tissue microarray stained for CARD8 expression at 1:2000 using CARD8 polyclonal antibody (Cat # PAB0281).
  A and B are tumor tissue cores.
  A1 and B1 are the matched normal adjacent cores from A and B, respectively.
  Hematoxylin-eosin counterstain.

- Immunoprecipitation

- Western Blot (Cell lysate)

  Western blot analysis of CARD8 in tumor cell lines. Using CARD8 polyclonal antibody (Cat # PAB0281) at 1 : 2000. Cell lysates were normalized for total protein content.

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Gene Info — CARD8

Entrez GeneID	22900
Gene Name	CARD8
Gene Alias	CARDINAL, DACAR, DKFZp779L0366, Dakar, FLJ18119, FLJ18121, KIAA0955, MGC57162, NDPP, NDPP1, TUCAN
Gene Description	caspase recruitment domain family, member 8
Omim ID	609051
Gene Ontology	Hyperlink
Gene Summary	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 fact or kappa-B (NFKB). This protein may be a component of the inflammasome, a protein complex th at 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 secretio n, and apoptosis. Polymorphisms in this gene may be associated with a susceptibility to rheumat oid arthritis. Alternatively spliced transcript variants have been described for this gene, but their bi ological validity has not been determined. [provided by RefSeq
Other Designations	CARD inhibitor of NF-kappaB-activating ligands|CARD8 isoform T47|CARD8 isoform T51|CAR D8 isoform T60|apoptotic protein NDPP1|tumor up-regulated CARD-containing antagonist of cas pase nine

Publication Reference

- Expression of CARD8 in human atherosclerosis and its regulation of inflammatory proteins in human endothelial cells.

  Geena V Paramel, Glykeria Karadimou, Anna Göthlin Eremo, Liza U Ljungberg, Ulf Hedin, Peder S Olofsson, Lasse Folkersen, Gabrielle Paulsson Berne, Allan Sirsjö, Karin Fransén.

  Scientific Reports 2020 Nov; 10(1):19108.

  Application: IHC, Human, Atherosclerotic lesions and non-atherosclerotic arteries tissues, Carotid atherosclerotic plaque

Disease

- Adenocarcinoma
- Alzheimer disease

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- Arthritis
- Bacterial Infections
- Colitis
- Colorectal Neoplasms
- Crohn Disease
- Disease Progression
- Encephalitis
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Inflammatory Bowel Diseases
- Tobacco Use Disorder

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