



Anti-CASP4 (N-terminal) polyclonal antibody (CPBT-66282RC)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti caspase-4 (N-terminal) antibody The cellular localization of Caspase-4 on the Endoplasmic Reticulum (ER) membrane, has resulted in this protein becoming a focus of studies in which dysfunction or stress to the ER membrane is implicated, such as Alzheimer's disease and Ischemia and confirms the involvement of Caspase-4 as an instigator of cellular apoptosis. Immunohistology *This product does not require protein digestion pre-treatment of paraffin embedded sections e.g. trypsin or pronase prior to staining. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Specificity	CASPASE-4
Immunogen	A 16 amino acid peptide from human Caspase-4 amino terminus.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CASP4 caspase 4, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP4
Synonyms	CASP4; caspase 4, apoptosis-related cysteine peptidase; TX; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II; caspase-4; CASP-4; ICE(rel)-II; protease TX; protease ICH-2; apoptotic cysteine protease Mih1/TX; caspase 4, apoptosis-related cysteine protease; CASPASE-4;
Entrez Gene ID	837
Protein Refseq	NP_001216
UniProt ID	P49662
Chromosome Location	11q22.2-q22.3
Pathway	Apoptosis; Caspase cascade in apoptosis; Immune System; Innate Immune System; NOD1/2 Signaling Pathway; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways;
Function	cysteine-type endopeptidase activity;