

ARG40554 anti-Caspase 12 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Caspase 12
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 12
Species	Human
Immunogen	Synthetic peptide within aa. 1-100 of Human Caspase 12 (NP_001177945.2).
Conjugation	Un-conjugated
Alternate Names	Inactive caspase-12; CASP-12; CASP12P1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse lung	
Observed Size	39 kDa	

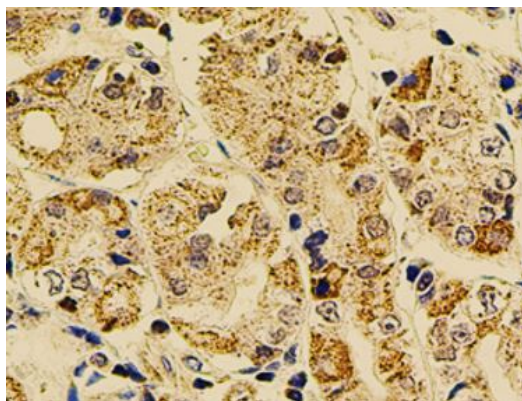
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

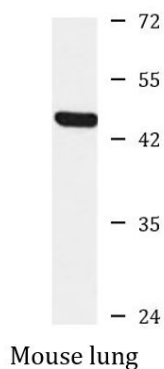
Gene Symbol	CASP12
Gene Full Name	caspase 12 (gene/pseudogene)
Background	Caspases are cysteine proteases that cleave C-terminal aspartic acid residues on their substrate molecules. This gene is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response to endoplasmic reticulum stress. However, in humans this gene contains a polymorphism for the presence or absence of a premature stop codon. The majority of human individuals have the premature stop codon and produce a truncated non-functional protein. The read-through codon occurs primarily in individuals of African descent and carriers have endotoxin hypo-responsiveness and an increased susceptibility to severe sepsis. Several alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Feb 2011]
Function	Has no protease activity. May reduce cytokine release in response to bacterial lipopolysaccharide during infections. Reduces activation of NF-kappa-B in response to TNF. [UniProt]
Calculated Mw	39 kDa

Images



ARG40554 anti-Caspase 12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach stained with ARG40554 anti-Caspase 12 antibody at 1:100 dilution.



ARG40554 anti-Caspase 12 antibody WB image

Western blot: 25 µg of Mouse lung lysate stained with ARG40554 anti-Caspase 12 antibody at 1:1000 dilution.