

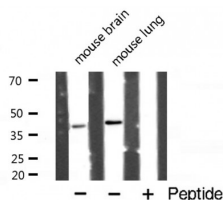
Caspase 4 Ab

Cat.#: AF5130
Size: 100ul, 200ul

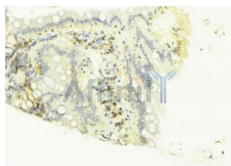
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 43 kDa
Clonality: Polyclonal

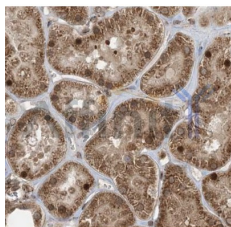
Application:	WB 1:500-1:2000 IHC 1:50-1:200
Reactivity:	Human, Mouse, Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	Caspase 4 Ab detects endogenous levels of total Caspase 4.
Immunogen:	A synthesized peptide derived from human Caspase 4.
Uniprot:	P49662
Description:	Strict requirement for Asp at the P1 position. It has a preferred cleavage sequence of Tyr-Val-Ala-Asp- - but also cleaves at Asp-Glu-Val-Asp- -. Ref.14 Enzyme regulation Inhibited by the effector protein NleF that is produced by pathogenic E.coli; this inhibits apoptosis.
Subcellular Location:	Endoplasmic reticulum; Cytosol; Mitochondrion; Extracellular region or secreted;
Tissue Specificity:	Widely expressed, including in keratinocytes and colonic and small intestinal epithelial cells (at protein level). Not detected in brain.
Similarity:	The CARD domain mediates LPS recognition and homooligomerization. Belongs to the peptidase C14A family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis of Caspase 4 expression in mouse brain and lung.



AF5130 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



Colon tissue Caspase 4 Ab used at 1/200 on formalin-fixed paraffin embedded tissue.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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