

## CLEAVED-CASPASE 4/5 P20 RABBIT PAB

**Cat.#:** N225494

**Product Name:** Anti-Cleaved-Caspase 4/5 p20 Rabbit pAb

**Synonyms:** TX; Mih1; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II

**UNIPROT ID:** P49662/P51878

**Background:** CASP4 (caspase 4) encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, caspase 4 induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms.

**Immunogen:** The antiserum was produced against synthesized peptide derived from human Caspase 4/5. AA range:221-270

**Applications:** WB,ELISA

**Recommended Dilutions:** WB: 1/500-1/1000 ELISA: 1/10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** Calculated MW: 43 kDa; Observed MW: 47,22 kDa

**Isotype:** IgG

**Purification:** Affinity Chromatography

**Species Reactivity:** Human

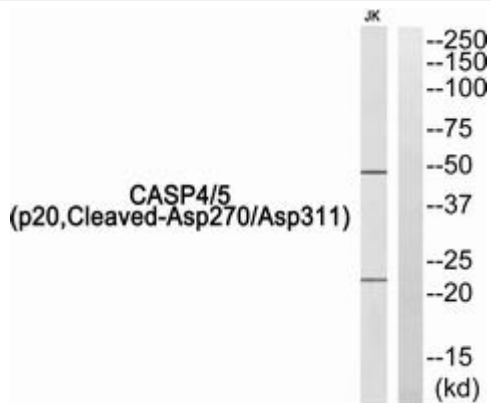
**Conjugation:** Unconjugated

**Modification:** Cleaved

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** apoptosis - Caspase family

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of Cleaved-Caspase 4/5 p20 in Jurkat lysates using Caspase 4/5 (p20, Cleaved-Asp270/Asp311) antibody. The lane on the right is blocked with the Caspase 4/5 (p20, Cleaved-Asp270/Asp311) peptide.