

Cleaved-CASP4 p20 (Q81) Polyclonal Antibody

catalog number: E-AB-30021

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

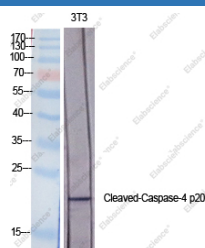
Reactivity	Human
Immunogen	Synthesized peptide derived from the Internal region of human Caspase-4 p20
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Recommended Dilution

WB	1:500-1:2000
IHC	1:100-1:300

Data



Western Blot analysis of 3T3 cells using Cleaved-CASP4 p20 (Q81) Polyclonal Antibody at dilution of 1:2000.

Observed-MW: 43+22 kDa

Calculated-MW: 43 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

This gene encodes a member of the cysteine proteases that plays important roles in apoptosis, cell migration and the inflammatory response. The encoded protein mediates production of pro-inflammatory cytokines by macrophages upon bacterial infection. Mice lacking the encoded protein are resistant to endotoxic shock induced by lipopolysaccharide. A 5-bp deletion encompassing a splice acceptor junction resulting in alternate splicing and a shorter non-functional isoform in certain mouse strains has been described. Although its official nomenclature is 'caspase 4, apoptosis-related cysteine peptidase', this gene and its encoded protein have historically been called caspase 11. This gene is present in a cluster of three caspase genes on chromosome 9.

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Rev. V1.8