



Anti-CASP8 (full length) polyclonal antibody (DPABH-15844)

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

PRODUCT INFORMATION

Antigen Description	Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp--AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.
Specificity	It has not been determined if the antibody cross reacts with active caspase 8 as well as procaspase 8.
Immunogen	Recombinant full length protein (Human).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Cow, Human, Monkey
Purification	IgG fraction
Conjugate	Unconjugated
Applications	IHC-P, IHC-Fr
Format	Liquid

Size	500 µl
Buffer	Constituents: 1% BSA
Preservative	0.05% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	CASP8 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP8
Synonyms	CASP8; caspase 8, apoptosis-related cysteine peptidase; CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8; caspase-8; FADD-like ICE; MACH-alpha-1/2/3 protein; apoptotic protease Mch-5; MACH-beta-1/2/3/4 protein; apoptotic cysteine protease; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; FADD-homologous ICE/CED-3-like protease; caspase 8, apoptosis-related cysteine protease;
Entrez Gene ID	841
Protein Refseq	NP_001073593.1
UniProt ID	A0A024R3Z8
Pathway	AGE/RAGE pathway; Activation, myristoylation of BID and translocation to mitochondria; Alzheimers disease; Apoptosis
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; cysteine-type endopeptidase activity involved in apoptotic signaling pathway