Anti-Dorfin antibody

Description	Rabbit polyclonal to Dorfin.

Model	STJ92769
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Dorfin
Immunogen Region	30-110 aa, N-terminal
Gene ID	25897
Gene Symbol	RNF19A
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	Dorfin Polyclonal Antibody detects endogenous levels of Dorfin protein.
Tissue Specificity	Widely expressed, with highest levels in heart. Ubiquitously expressed in the central nervous system.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase RNF19A Double ring-finger protein Dorfin RING finger protein 19A p38
Molecular Weight	90 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:13432OMIM:607119
Alternative Names	E3 ubiquitin-protein ligase RNF19A Double ring-finger protein Dorfin RING finger protein 19A p38
Function	E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates, such as SNCAIP or CASR. Specifically ubiquitinates pathogenic SOD1 variants, which leads to their proteasomal degradation and to neuronal protection.
Sequence and Domain Family	Members of the RBR family are atypical E3 ligases. They interact with the E2 conjugating enzyme UBE2L3 and function like HECT-type E3 enzymes: they bind E2s via the first RING domain, but require an obligate trans-thiolation step during the ubiquitin transfer, requiring a conserved cysteine residue in the second RING domain.
Cellular Localization	Membrane Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Present in the hyaline inclusion bodies specifically found in motor neurons from amyotrophic lateral sclerosis patients. Present in the Lewy bodies specifically found in neurons from Parkinson disease patients.