

CAN15 Rabbit Polyclonal Antibody

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Catalog # AP93390

Product Information

Application	WB
Primary Accession	O75808
Reactivity	Human, Mouse
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	117314

Additional Information

Gene ID	6650
Other Names	Calpain-15, 3.4.22.-, Small optic lobes homolog, CAPN15, SOLH
Dilution	WB~~1:1000
Storage Conditions	-20°C

Protein Information

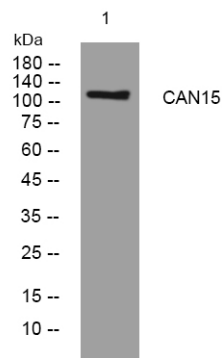
Name	CAPN15
Synonyms	SOLH
Function	Calcium-dependent cysteine protease that functions as a non- proteasomal, ubiquitin-directed protease regulating cell adhesion through cleavage of E-cadherin/CDH1. Binds to ubiquitinated proteins via its N-terminal, preferentially recognizing longer polyubiquitin chains including both 'Lys-48- and 'Lys-63'-linked chains. Recognizes the ubiquitinated E-cadherin-catenin complex and cleaves E-cadherin in a calcium- and ubiquitination-dependent manner resulting in lysosomal degradation of the resultant fragment (PubMed: 41380969). Plays a critical role in eye, brain and cerebellar development (By similarity). In the developing brain, may regulate transcription factor abundance including PAX2 and PAX5 levels. Additional putative substrates include P-cadherin/CDH3, DCX and TUBB3 (By similarity).
Tissue Location	Widely expressed with higher expression in brain.

Background

This gene encodes a protein containing zinc-finger-like repeats and a calpain-like protease domain. The

encoded protein may function as a transcription factor, RNA-binding protein, or in protein-protein interactions during visual system development. [provided by RefSeq, Jul 2008],

Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4°over night

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