

Polyclonal Antibody to CASZ1 - Aff - Purified

Alternate names:	CST, Castor-related protein, Putative survival-related protein, SRG, ZNF693, Zinc finger protein 693, Zinc finger protein castor homolog 1
Catalog No.:	TA319174
Quantity:	0.1 mg
Concentration:	1.3 mg/ml (by UV absorbance at 280 nm)
Background:	hCas5 (Castor) is the human homolog of a Drosophila gene that regulates neurogenesis. In human neuroblastoma tumors where a loss of heterozygosity of CASZ1 is noted, hCas5 functions to suppress the tumorigenicity of cells. hCas5 is a developmentally regulated transcription factor found in neural and muscle cells. hCas5 is a Zn finger transcription factor that is predominantly found in the nucleus. This antibody is designed to facilitate the functional study of this protein and its role in developmental regulation and expression in human tumor tissues.
Uniprot ID:	Q86V15
NCBI:	NP_001073312
GeneID:	54897
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide corresponding to region near the amino terminal end of human Cas5 protein
Format:	State: Liquid Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide
Applications:	ELISA: 1/25,000 - 1/100,000. Western blot: 1/1,000 - 1/3,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is directed against Cas5 protein.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse, Chimpanzee, Bovine, Rat.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

WB using Anti-hCas5 antibody shows detection of a band ~125 kDa in size corresponding to hCas5 (arrowhead). Lane 1 contains a lysate from AS cells transfected with empty vector. Lane 2 contains lysate from AS cells transfected with hCas5 (predicted MW 125 kDa). Lane 3 contains lysate from BE2 cells that have been shown to contain a high level of hCas mRNA (as tested by Northern blot). Lane 4 contains lysate from human muscle tissue that also shows high levels of hCas mRNA.

