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anti-ZFYVE28 antibody



Overview

Quantity:	100 μg
Target:	ZFYVE28
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ZFYVE28 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:

Clone:	LST2-2426
Isotype:	IgG2a kappa
Specificity:	ZFYVE28 belongs to the lst-2 family. It contains 1 FYVE-type zinc finger. The FYVE-type zinc
	finger mediates the interaction with phosphatidylinositol 3-phosphate (PI3P) and localization to
	early endosome membranes when not mono-ubiquitinated at Lys-87. Mono-ubiquitination at
	Lys-87 prevents binding to phosphatidylinositol 3-phosphate (PI3P) and localization to early
	endosome membranes. ZFYVE28 is a negative regulator of epidermal growth factor receptor
	(EGFR) signaling. It acts by promoting EGFR degradation in endosomes when not mono-
	ubiquitinated. The FYVE domain has been identified in a number of unrelated signaling
	molecules. This protein functions to recruit SMAD2 to the transforming growth factor-beta
	receptor. The FYVE domain is required to maintain the normal localization of this protein but is
	not involved in mediating interaction with SMADs.

Recombinant full-length human ZFYVE28 protein

Product Details

1 Toddet Details	
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.
Target Details	
Target:	ZFYVE28
Alternative Name:	ZFYVE28 (ZFYVE28 Products)
Background:	Lateral signaling target protein 2 homolog, LST2, LYST2, Zinc finger FYVE domain-containing
	protein 28 (ZFYVE28),ZFYVE28 (Zinc Finger FYVE-type containing 28)
	Cellular localisation: Cytoplasmic
Molecular Weight:	96kDa
Gene ID:	57732, 292056
Pathways:	EGFR Signaling Pathway
Application Details	
Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (0.1-0.2 µg/mL for 30 min at
	RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM
	EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution
	for a specific application should be determined.
	Positive_Control: PC3 cells. Testis, Brain, Colon, Kidney or Stomach.
Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months