

Datasheet for ABIN7662128
anti-ZFYVE28 antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	ZFYVE28
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ZFYVE28 antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	ZFYVE28 (Zinc Finger FYVE-type containing 28)(LST2/2426), CF647 conjugate
Immunogen:	Recombinant full-length human ZFYVE28 protein
Clone:	LST2-2426
Isotype:	IgG2a, kappa
Characteristics:	ZFYVE28 belongs to the Ist-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

Product Details

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. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	ZFYVE28
Alternative Name:	ZFYVE28
Background:	Synonyms: Lateral signaling target protein 2 homolog, LST2, LYST2, Zinc finger FYVE domain-containing protein 28 (ZFYVE28) Gene Symbol: ZFYVE28
Molecular Weight:	96 kDa
Gene ID:	57732
Pathways:	EGFR Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: PC3 cells. Testis, Brain, Colon, Kidney or Stomach.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months