

FAT4 Conjugated Antibody

Catalog No: #C37293



Package Size: #C37293-AF350 100ul #C37293-AF405 100ul #C37293-AF488 100ul
 #C37293-AF555 100ul #C37293-AF594 100ul #C37293-AF647 100ul
 #C37293-AF680 100ul #C37293-AF750 100ul #C37293-Biotin 100ul

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Description

Product Name	FAT4 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total FAT4 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human FAT tumor suppressor homolog 4 (Drosophila)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	FATJ; FAT-J; CDHF14; CDHR11; NBLA00548
Accession No.	Swiss-Prot#:Q6V0I7 NCBI Gene ID:79633NCBI Protein#:NP_036284
Uniprot	Q6V0I7
GeneID	79633;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

FAT1, FAT2, FAT3 and FAT4 are human homologs of *Drosophila* Fat, which is involved in tumor suppression and planar cell polarity (PCP). FAT4 undergo the first proteolytic cleavage by Furin and are predicted to undergo the second cleavage by γ -secretase to release intracellular domain (ICD). FAT4 directly interacts with MPDZ/MUPP1 to recruit membrane-associated guanylate kinase MPP5/PALS1. FAT4 is involved in the maintenance of PCP and inhibition of cell proliferation.

Note: This product is for in vitro research use only