# WDFY2 Conjugated Antibody

Catalog No: #C43896

Package Size: #C43896-AF350 100ul #C43896-AF405 100ul #C43896-AF488 100ul #C43896-AF555 100ul #C43896-AF594 100ul #C43896-AF647 100ul #C43896-AF680 100ul #C43896-AF750 100ul #C43896-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | WDFY2 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of total WDFY2 protein. |
| Immunogen Description | Fusion protein of human WDFY2 |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | PROF;WDF2;ZFYVE22 |
| Accession No. | Swiss-Prot#:Q96P53NCBI Gene ID:115825NCBI mRNA#:NCBI Protein#:BC014004 |
| Uniprot | Q96P53 |
| GeneID | 115825; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 45 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°Cin 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

WD repeat and FYVE domain-containing protein 2 (WDFY2), also known as WDF2 and ZFYVE22, is a 400 amino acid protein that localizes to a set of small endosomes that are found within 100 nm from the plasma membrane. Highly conserved between species, WDFY2 consists of one FYVE-type zinc finger and seven WD repeats. The FYVE domain is a cysteine-rich domain of about 70 amino acids. Its primary role is to target signal-transducing proteins to cell membranes through binding to the membrane lipid phosphatidylinositol-3-phosphate with high specificity. WD-repeats are generally found in clusters of seven. They have no intrinsic catalytic activity, but they serve as a platform for protein-protein interactions. WDFY2 is suspected to play a critical role in the endocytic pathway.

Note: This product is for in vitro research use only