

## SPIRE2 Conjugated Antibody

Catalog No: #C36144



Package Size: #C36144-AF350 100ul #C36144-AF405 100ul #C36144-AF488 100ul  
 #C36144-AF555 100ul #C36144-AF594 100ul #C36144-AF647 100ul  
 #C36144-AF680 100ul #C36144-AF750 100ul #C36144-Biotin 100ul

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## Description

Product Name	SPIRE2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SPIRE2 protein.
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human spire-type actin nucleation factor 2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Spir-2
Accession No.	Swiss-Prot#:Q8WWL2NCBI Gene ID:84501NCBI Protein#:BC139732
Uniprot	Q8WWL2
GeneID	84501;
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

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SPIRE2, is a 714 amino acid protein belonging to the spire family. Acts as an actin nucleation factor, remains associated with the slow-growing pointed end of the new filament. Involved in intracellular vesicle transport along actin fibers, providing a novel link between actin cytoskeleton dynamics and intracellular transport. Required for asymmetric spindle positioning and asymmetric cell division during meiosis. Required for normal formation of the cleavage furrow and for polar body extrusion during female germ cell meiosis.

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Note: This product is for in vitro research use only