

# CHP2 Conjugated Antibody

Catalog No: #C34512



Package Size: #C34512-AF350 100ul #C34512-AF405 100ul #C34512-AF488 100ul  
 #C34512-AF555 100ul #C34512-AF594 100ul #C34512-AF647 100ul  
 #C34512-AF680 100ul #C34512-AF750 100ul #C34512-Biotin 100ul

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## Description

Product Name	CHP2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CHP2 protein.
Immunogen Description	Synthesized peptide derived from internal of humanCHP2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Calcineurin B homologous protein 2;Hepatocellular carcinoma-associated antigen 520;CHP2;HCA520
Accession No.	Swiss-Prot#:O43745NCBI Gene ID:63928
Uniprot	O43745
GeneID	63928;
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
Calculated MW	22
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

## Product Description

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The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Background

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Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type Na<sup>+</sup>/H<sup>+</sup> exchange activity. Binds to and activates SLC9A1/NHE1 in a serum-independent manner, thus increasing pH and protecting cells from serum deprivation-induced death. Also plays a role in the regulation of cell proliferation and tumor growth by increasing the phosphatase activity of PPP3CA in a calcium-dependent manner. Activator of the calcineurin/NFAT signaling pathway. Involved in the cytoplasmic translocation of the transcription factor NFATC3 to the nucleus.

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Note: This product is for in vitro research use only