WEE2 Conjugated Antibody

Catalog No: #C43978

Package Size: #C43978-AF350 100ul #C43978-AF405 100ul #C43978-AF488 100ul #C43978-AF555 100ul #C43978-AF594 100ul #C43978-AF647 100ul #C43978-AF680 100ul #C43978-AF750 100ul #C43978-Biotin 100ul

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Description

Product Name	WEE2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total WEE2 protein.
Immunogen Description	Synthetic peptide of human WEE2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	WEE1B
Accession No.	Swiss-Prot#:P0C1S8NCBI Gene ID:494551NCBI Protein#:NP_001099028
Uniprot	P0C1S8
GeneID	494551;
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

Wee 2 (Wee1-like protein kinase 2), also known as WEE1B, is a 567 amino acid nuclear protein belonging to the protein kinase superfamily. Expressed in testis, Wee 2 phosphorylates and inhibits Cdc2 and may act as a negative regulator of entry into the G2 to M transition of mitosis. The gene encoding Wee 2 is located on human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

Note: This product is for in vitro research use only