

Rabbit anti-Human, Mouse WEE2 Polyclonal Antibody | anti-WEE2 antibody

WEE2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325259	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

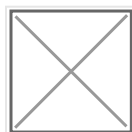
PRODUCT SYNONYMS

WEE2; Polyclonal Antibody; WEE2 Antibody; hCG_39453; WEE1 homolog 2 (S. pombe); Wee1-like protein kinase 1B; Wee1-like protein kinase 2; WEE1B; Wee1B kinase; Wee2; WEE2_HUMAN; anti-WEE2 antibody

PRODUCT SPECIFICATIONS

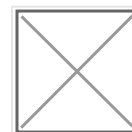
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	WEE2 antibody detects endogenous levels of total WEE2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	567
Applicable Applications for anti-WEE2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in testis.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Dog
Similarity	Pig (83%), Horse (83%), Rabbit (92%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325259 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from mouse heart, using WEE2 Antibody.



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using WEE2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-WEE2 antibody	Function: Oocyte-specific protein tyrosine kinase that phosphorylates and inhibits CDK1 and acts as a key regulator of meiosis during both prophase I and metaphase II. Required to maintain meiotic arrest in oocytes during the germinal vesicle (GV) stage, a long period of quiescence at dictyate prophase I, by phosphorylating CDK1 at 'Tyr-15', leading to inhibit CDK1 activity and prevent meiotic reentry. Also required for metaphase II exit during egg activation by phosphorylating CDK1 at 'Tyr-15', to ensure exit from meiosis in oocytes and promote pronuclear formation (By similarity). Post-translational Modifications: Phosphorylation leads to increase its activity. Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. WEE1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157738687
NCBI GeneID	494551
NCBI Accession #	NP_001099028.1
NCBI GenBank Nucleotide #	NM_001105558.1
UniProt Accession #	P0C1S8
Molecular Weight	Observed: 60 kD Predicted: 63 kDa
NCBI Official Full Name	wee1-like protein kinase 2
NCBI Official Synonym Full Names	WEE1 homolog 2
NCBI Official Symbol	WEE2
NCBI Official Synonym Symbols	OOMD5; WEE1B
NCBI Protein Information	wee1-like protein kinase 2
UniProt Protein Name	Wee1-like protein kinase 2
UniProt Gene Name	WEE2
UniProt Synonym Gene Names	WEE1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wee2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325259>