

Anti-PER2 antibody (390-565) (STJ115134)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA/ChIP
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

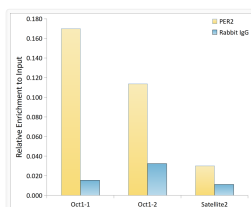
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. ChIP:5 Mu g antibody for 10 Mu g-15 Mu g of Chromatin
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 137kDa Observed Mw: 136kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

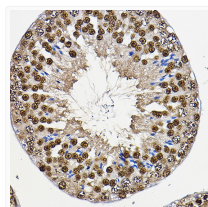
Gene ID	8864
Gene Symbol	PER2
UniProt ID	PER2_HUMAN
Immunogen Region	390-565
Immunogen Sequence	GQPFDYSPIRFRARNGEYIT LDTSWSSFNPWSRKISFII GRHKVRVGPLNEDVFAAHPC TEEKALHPSIQELTEQIHRL LLQPVPHSGSSGYGSLGSNG SHEHLMSQTSSSDSNHEDS RRRRAEICKNGNKTNRSHY SHESGEQKKKSVTEMQTNPP AEKKAVPAMEKDSLGV
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 390-565 of human PER2 (NP_073728.1).

ADDITIONAL INFORMATION

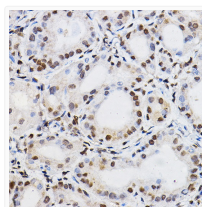
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



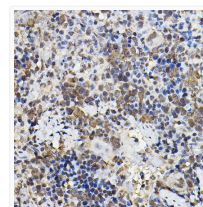
Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using PER2 antibody (STJ115134) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



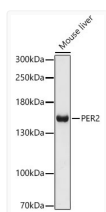
Immunohistochemistry analysis of PER2 in paraffin-embedded mouse testis using PER2 Rabbit polyclonal antibody (STJ115134) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



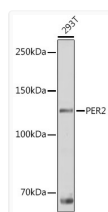
Immunohistochemistry analysis of PER2 in paraffin-embedded human thyroid cancer using PER2 Rabbit polyclonal antibody (STJ115134) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of PER2 in paraffin-embedded rat spleen using PER2 Rabbit polyclonal antibody (STJ115134) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from Mouse liver, using PER2 Rabbit polyclonal antibody (STJ115134) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Western blot analysis of lysates from 293T cells, using PER2 Rabbit polyclonal antibody (STJ115134) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.