Anti-Phospho-IRS1 (Ser307) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108741

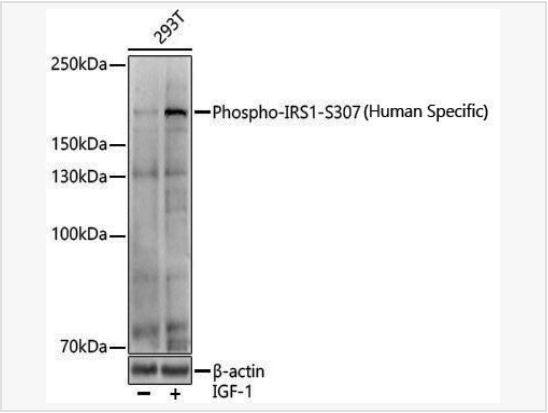
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:1000~1:5000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S307 of human IRS1 (NP_005535.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-IRS1 (Ser307) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

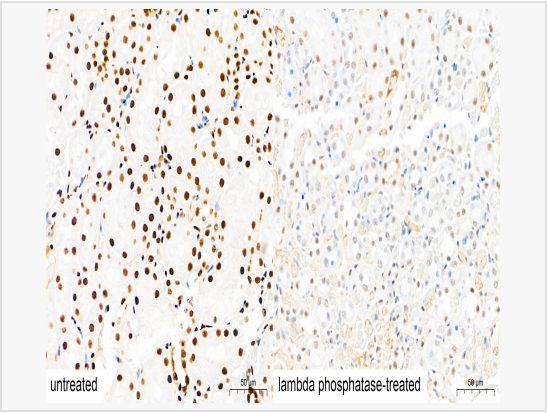
Protein Information

Synonyms	HIRS-1; Phospho-IRS1-S307(Human Specific).
Calculated MW	Calculated MW: 132 kDa; Observed MW: 180 kDa
Uniprot ID	P35568
Gene ID	3667
Background	This gene encodes a protein which is phosphorylated by insulin receptor tyrosine kinase. Mutations in this gene are associated with type II diabetes and susceptibility to insulin resistance.

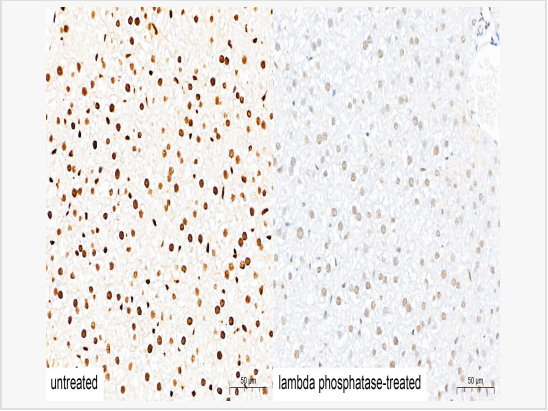
Validation Images



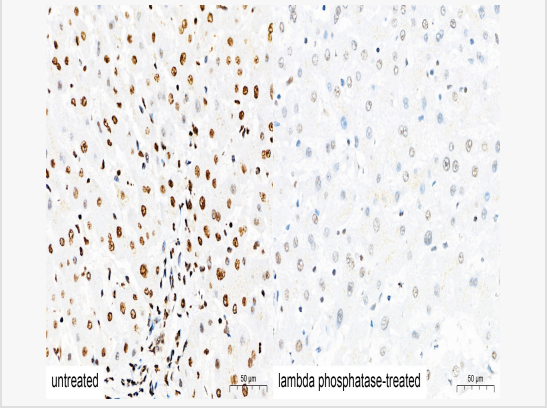
Western blot analysis of various lysates using Phospho-IRS1-S307(Human Specific) Rabbit pAb (P108741) at 1:1,000 dilution. 293T cells were treated by IGF-1 (50 ng/ml) at 37°C for 5 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Phospho-IRS1-S307(Human Specific) Rabbit pAb (P108741) at a dilution of 1:1600 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Phospho-IRS1-S307(Human Specific) Rabbit pAb (P108741) at a dilution of 1:1600 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Phospho-IRS1-S307(Human Specific) Rabbit pAb (P108741) at a dilution of 1:1600 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.