

INSR Polyclonal Antibody

Catalog NumberPA5-27334

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 939 and 1347 of Human Insulin Receptor	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.31 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol		
Contains	0.025% ProClin 300		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, NIH-3T3, PC-12, rat liver. Predicted reactivity: Mouse (95%), Rat (95%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

INSR is a receptor tyrosine kinase. Binding of insulin to the extracellular domain of INSR stimulates glucose uptake. INSR and IGF-1 receptors share major structural and functional similarity. The earliest cellular response to insulin stimulation is autophosphorylation of tyrosine in INSR. In humans, the INSR gene is located on chromosome 19. Defects in INSR are the cause of various insulin resistance syndromes and IGF-1R defects may also cause some forms of growth retardation.

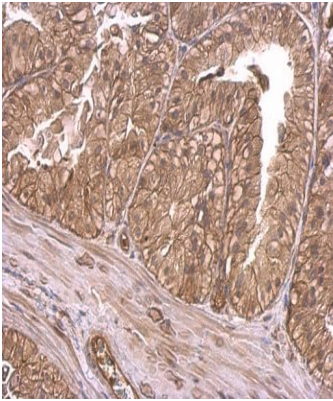
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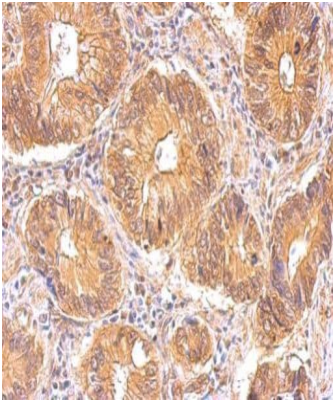
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Product Images For INSR Polyclonal Antibody



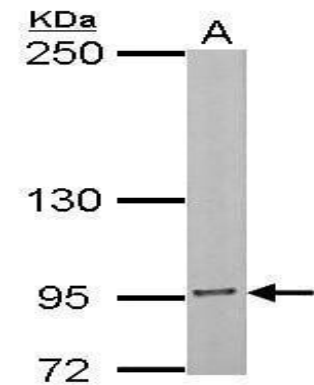
INSR Antibody (PA5-27334) in IHC (P)

INSR Polyclonal Antibody detects Insulin Receptor protein at membrane on mouse prostate by immunohistochemical analysis. Sample: Paraffin-embedded mouse prostate. INSR Polyclonal Antibody (Product # PA5-27334) dilution: 1: 500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



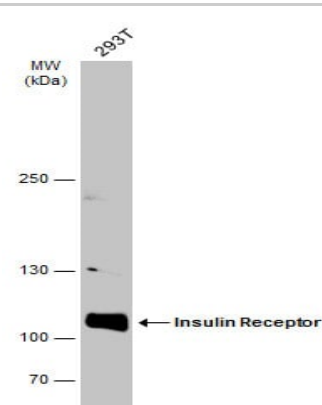
INSR Antibody (PA5-27334) in IHC (P)

INSR Polyclonal Antibody detects INSR protein at cytosol on human gastric cancer by immunohistochemical analysis. Sample: Paraffin-embedded gastric cancer. INSR Polyclonal Antibody (Product # PA5-27334) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



INSR Antibody (PA5-27334) in WB

Western Blot using INSR Polyclonal Antibody (Product # PA5-27334). Sample (30 µg of whole cell lysate). Lane A: NIH-3T3. 5% SDS PAGE. INSR Polyclonal Antibody (Product # PA5-27334) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



INSR Antibody (PA5-27334) in WB

Western blot analysis of INSR was performed by separating 30 µg of whole cell extract by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a INSR Polyclonal Antibody (Product # PA5-27334) at a dilution of 1: 1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

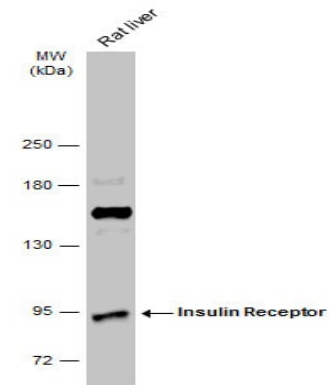
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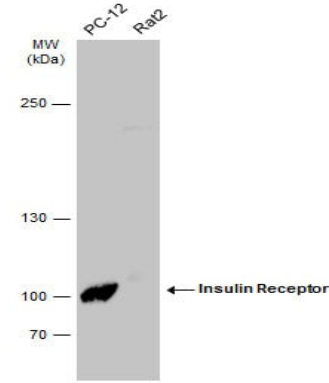
INSR Antibody (PA5-27334) in WB

Western blot analysis of INSR was performed by separating 50 µg of rat tissue extract by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a INSR Polyclonal Antibody (Product # PA5-27334) at a dilution of 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



INSR Antibody (PA5-27334) in WB

Western Blot analysis of INSR was performed by separating 50 µg of various whole cell extracts by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a INSR Polyclonal Antibody (Product # PA5-27334) at a dilution of 1:1000 and a HRP-conjugated anti-rabbit IgG secondary antibody.



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