

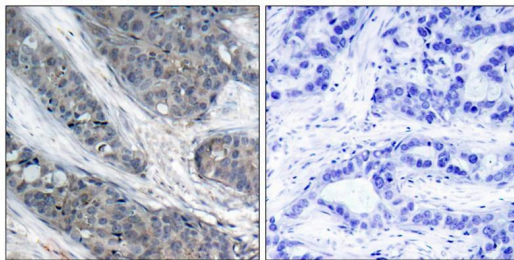
## Anti-Phospho-IRS-1 (Ser307) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 180 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Applications

Verified Activity: 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using IRS-1 (phospho-Ser307) antibody (TMAC-02241).



Application: IHC

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of serine 307(T-E-S(p)-I-T) derived from Human IRS-1
Antigen Species:	Human
Uniprot ID:	P35568
Synonyms:	p-IRS1 (S307);IRS1 (p-Ser307);Insulin receptor substrate 1;p-IRS1 (Ser307);IRS-1;IRS1 (p-S307)

## Research Background

May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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