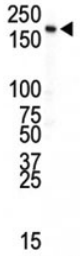
Insulin Receptor Antibody (F50643)

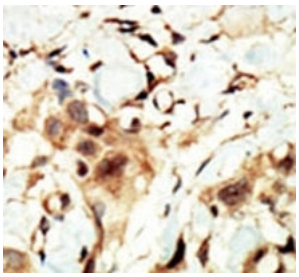
Catalog No.	Formulation	Size
F50643-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F50643-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P06213
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This Insulin Receptor antibody is available for research use only.



Western blot analysis of Insulin receptor antibody and SKBR-3 cell lysate. Expected size: ~156 kDa (precursor), ~95 kDa (b-subunit)



IHC analysis of FFPE human breast carcinoma tissue stained with the Insulin Receptor antibody

Description

INSR binds insulin and has a tyrosine-protein kinase activity. Autophosphorylation activates the kinase activity. This Type I mebrane protein is composed of a tetramer of 2 alpha and 2 beta chains linked by disulfide bonds. The alpha chains contribute to the formation of the ligand-binding domain, while the beta chains carry the kinase domain. After being transported from the endoplasmic reticulum to the Golgi apparatus, the single glycosylated precursor is further glycosylated and then cleaved, followed by its transport to the plasma membrane.

Application Notes

Titration of the Insulin Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 21-52 from the human protein was used as the immunogen for this Insulin Receptor antibody.

Storage

Aliquot the Insulin Receptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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