

IGF-IR Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0100
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of IGF-IR expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Insulin-like growth factor 1 receptor
Synonyms	IGF1R; Insulin-like growth factor 1 receptor; Insulin-like growth factor I receptor; IGF-I receptor; CD antigen CD221

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Recommended Dilution

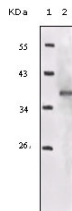
ELISA: 1:10000

IHC: 1:200 - 1:1000

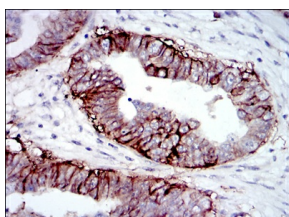
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using IGF-IR Monoclonal antibody against truncated IGF-IR recombinant protein.



Immunohistochemistry analysis of paraffin-embedded ovarian cancer tissues using IGF-IR Monoclonal antibody with DAB staining.

Storage

-20°C for one year

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