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Mouse Monoclonal Antibody to

Insulin Receptor (C-terminus)

clone 11B6

Order No.: **0160-100/InsR-11B6**

Size (µg) 100

Lot No.: 0160S

02/160307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	97 kDa	HepG2	C-terminus	peptide conjugated to hemocyanin

Background and Specificity:

The insulin receptor (InsR) is a heterodimeric receptor tyrosine kinase with an extracellular alpha-chain, a transmembrane domain and an intracellular beta-chain. The insulin receptor is activated upon binding of the peptide hormone insulin, leading to autophosphorylation of tyrosine residues 1146, 1150, and 1151 in the activation loop of the beta-chain. Additional phosphorylation sites such as tyrosine residues 960, 1316, and 1322 regulate the assembly of signal transduction complexes.

Mab InsR-11B6 specifically recognizes the C-terminus of Insulin receptor (phosphorylation-independent).

Related Products

mab to IGF1R (phospho-Tyr 1316)
#0128-100/IGF1R-2B9

mab to IGF1R (C-terminus)
#0198-100/IGF1R-7G11

mab to InsR (phospho-Tyr 1150/1151)
#0143-100/InsR-10C3

mab to InsR (phospho-Tyr 1322)
#0127-100/insR-21G12

mab to InsR (activation loop, phosphorylation independent)
#0142-100/InsR-9H4

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.

Reconstitution: Reconstitute with 1 ml H_2O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

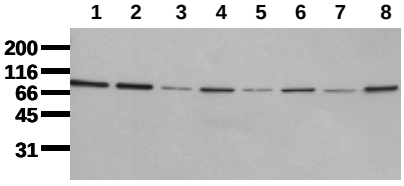
Positive Control: #0811: Cell lysate from untreated HepG2 cells

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: use at 0.1 µg/ml



Detection of endogenous InsR
Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab InsR-11B6 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).
lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.