Mouse anti Phosphotyrosin Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Phosphotyrosin
- **Catalogue:** 603-830
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 7E11
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt, Bv

ANTIGEN PREPARATION

A chemically linked phosphotyrosine.

BACKGROUND

Protein phosphorylation is involved in cell signaling pathways. These cascades are mediated by three types of kinases: serine, threonine and tyrosine kinases which phosphorylate serine, threonine and tyrosine amino acid side chains.These three amino acids are phosphorylated by its specific kinases. These processes are regulated by kinases and phosphatases.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes Phosphotyrosin. It corss reacts to human, mice, rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: nan
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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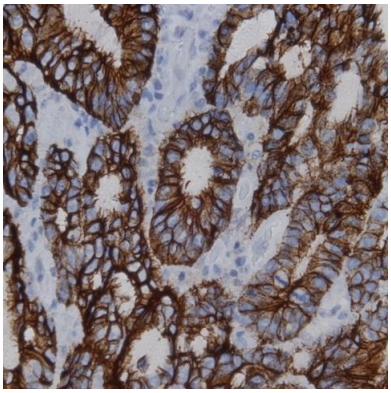
DATA ATTACHMENTS



Immunohistochemistry: Human breast carcinoma (FFPE) stained with Mouse anti-phosphotyrosin (pTyr) (Cat# 603-830) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Trinidad JC, Thalhammer A, Specht CG, Lynn AJ, Baker PR, Schoepfer R, Burlingame AL. Quantitative analysis of synaptic phosphorylation and protein expressio. Mol. Cell Proteomics 7 (4): 684–96, 2008

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