

Product no **AS10 705****Anti-P-Tyr | Phosphotyrosine (clone G104)****Product information**

**Immunogen** | Phosphotyrosine, alanine and glycine in a 1:1:1 ratio polymerized in the presence of keyhole limpet hemocyanin [KLH](#) with 1-ethyl-3-(3'-dimethylaminopropyl) carbodiimide

**Host** | Mouse

**Clonality** | Monoclonal

**Subclass/isotype** | IgG1

**Purity** | Total IgG.

**Format** | Liquid

**Quantity** | 100 µg

**Storage** | Store at -20 °C for one year; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Additional information** | Protein G purified IgG1 in PBS, pH 7,4 with 0,09 % sodium azide and 50 % glycerol at concentration 1 mg/ml

**Application information**

**Recommended dilution** | 1 : 1000 (WB)

**Confirmed reactivity** | Antibody reacts with phosphotyrosine and detects the presence of phosphotyrosine in proteins of both unstimulated and stimulated cell lysates. Does not cross react with phosphoserine or phosphothreonine

**Not reactive in** | No confirmed exceptions from predicted reactivity are currently known

**Additional information** | 1 µg/ml of this antibody is sufficient for detection of phosphorylated tyrosine residues in 10 µg of rat tissue lysate by colorimetric immunoblot analysis

**Selected references** | [Garton & Tonks \(1999\)](#). Regulation of fibroblast motility by the protein tyrosine phosphatase PTP-PEST. J Biol Chem 6:3811-3818.

[Tiganis et al. \(1999\)](#). The protein-tyrosine phosphatase TCPTP regulates epidermal growth factor receptor-mediated and phosphatidylinositol 3-kinase-dependent signaling. J Biol Chem 39: 27768-27775.(IF):

[Garton et al. \(1996\)](#). Identification of p130(cas) as a substrate for the cytosolic protein tyrosine phosphatase PTP-PEST. Mol and Cell Bio 11:6408-6418.(IP):