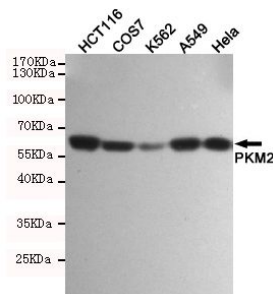




PKM2

Mouse monoclonal Antibody

#53511

Catalog Number: 53511**Amount:** 100µg/100µl**Swiss-Prot No. :** P14618**Gene name:** pkm2**Gene id:** 5315**Clone Number:** 1F2-F4-H11**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human PKM2 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of PKM2 and does not cross-react with related proteins**Reactivity:** Human, Mouse, Monkey**Applications:** Predicted MW: 60kd WB: 1:1000 ICC:1:500

Western blot detection of PKM2 in HCT116, COS7, K562, A549 and HeLa cell lysates using PKM2 mouse mAb (1:1000 diluted). Predicted band size: 60KDa. Observed band size: 60KDa.

Background:

This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported.