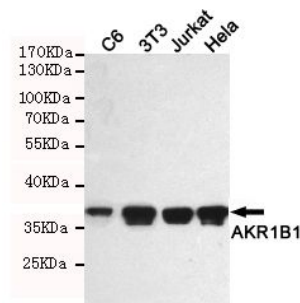


**AKR1B1****Mouse monoclonal Antibody****#53519****Catalog Number:** 53519**Amount:** 100µg/100µl**Swiss-Prot No. :** P15121**Gene name:** akr1b1**Gene id:** 24192**Clone Number:** 4G9-B6-F6**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human AKR1B1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of AKR1B1 and does not cross-react with related proteins**Reactivity:** Human, Mouse, Rat**Applications:** Predicted MW: 36kd WB: 1:1000

Western blot detection of AKR1B1 in C6, 3T3, Jurkat and HeLa cell lysates using AKR1B1 mouse mAb (1:1000 diluted). Predicted band size: 36KDa. Observed band size: 36KDa.

### Background:

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Multiple pseudogenes have been identified for this gene. The nomenclature system used by the HUGO Gene Nomenclature Committee to define human aldo-keto reductase family members is known to differ from that used by the Mouse Genome Informatics database.