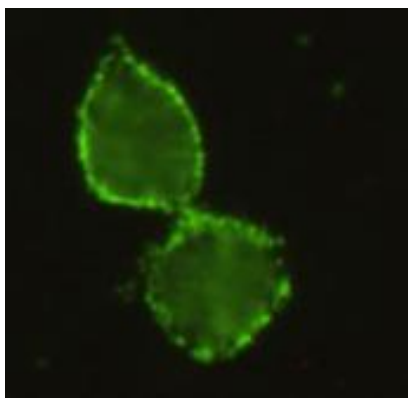




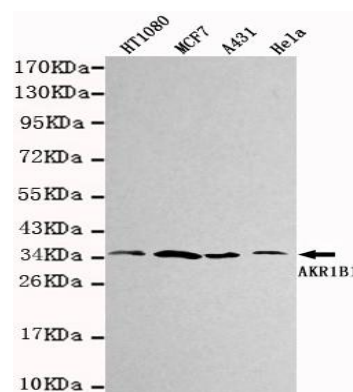
AKR1B1 Antibody

E2200725**Size** 100ug**Cat code** E2200725**Species Cross-reactivity** H**Key Application** WB: 1/500-1/2000; ELISA: 1/2000-1/5000; IHC: 1/50-1/200; ICC/FC:1:50-1/300**Host** Mouse**Antibody type** Monoclonal antibody**Purified method** Affinity purified**Isotype** IgG1**Molecular Weight** 36kDa**Sensitivity** This antibody detects endogenous levels of AKR1B1 and does not cross-react with related proteins.**Immunogen** Purified recombinant human AKR1B1 protein fragments expressed in E.coli.**UniProt Number** P15121**GeneBank ID** NM_001628.2**Subcellular location** Cytoplasm**Formulation** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Altername** ALDR1;AR;Aldo-keto reductase family 1 member B1;ADR;ALR2;Lii5-2 CTCL tumor antigen;Aldehyde reductase**Gene_symbol** AR; ADR; ALR2; ALDR1**UniPort summary Function** Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols with a broad range of catalytic efficiencies.**Entrez summary** 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

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Immunocytochemistry stain of HeLa using AKR1B1 antibody (1:300).



Western blot detection of AKR1B1 in HT1080, MCF7, A431&HeLa cell lysates using AKR1B1 antibody (1:1000 diluted). Predicted band size:36kDa. Observed band size:36kDa.