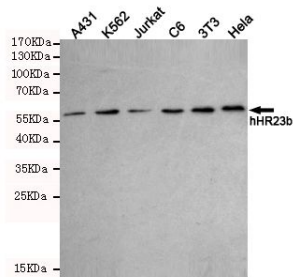




hHR23b

Mouse monoclonal Antibody

#53602

Catalog Number: 53602**Amount:** 100µg/100µl**Swiss-Prot No. :** P54727**Gene name:** hr23b**Gene id:** 5887**Clone Number:** 5H1-A10-A7**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 hHR23b protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of hHR23b and does not cross-react with related proteins**Reactivity:** Human, Mouse, Rat, Monkey, Hamster**Applications:** Predicted MW: 58kd WB: 1:1000 ICC/IHC: 1:100

Western blot detection of hHR23b in A431, K562, Jurkat, C6, 3T3 and Hela cell lysates using hHR23b mouse mAb (1:1000 diluted). Predicted band size: 58KDa. Observed band size: 58KDa.

Background:

The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in the nucleotide excision repair (NER). This protein was found to be a component of the protein complex that specifically complements the NER defect of xeroderma pigmentosum group C (XP-c) cell extracts in vitro. This protein was also shown to interact with, and elevate the nucleotide excision activity of 3-methyladenine-DNA glycosylase (MPG), which suggested a role in DNA damage recognition in base excision repair. This protein contains an N-terminal ubiquitin-like domain, which was reported to interact with 26S proteasome, and thus this protein may be involved in the ubiquitin mediated proteolytic pathway in cells. Alternative splicing results in multiple transcript variants encoding distinct isoforms.