bsm-51588M **[Primary Antibody]**

USP5 Mouse mAb

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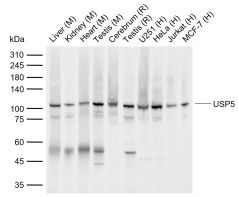
DATASHEET

Host: Mouse
Isotype: IgG1, k
Clonality: Monoclonal
CloneNo.: H4Y13
GeneID: 8078
SWISS: P45974
Target: USP5
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Profound changes in patterns of gene expression can result from relatively small changes in the concentrations of sequence specific transcription factors. Ubiquitin (see MIM 191339)-dependent proteolysis is a complex pathway of protein metabolism implicated in such diverse cellular functions as maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. A late step of the process involves disassembly of the polyubiquitin chains on degraded proteins into ubiquitin monomers. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism, starting at the proximal end of the chain (Wilkinson et al., 1995 [PubMed 7578059]).[supplied by OMIM, Mar 2010]

Applications: **WB** (1:500-2000)
Reactivity: Human, Mouse, Rat
Predicted MW.: 96 kDa
Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Kidney tissue lysates Lane 3: Mouse Heart tissue lysates Lane 4: Mouse Testis tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Rat Testis tissue lysates Lane 7: Human U251 cell lysates Lane 8: Human HeLa cell lysates Lane 9: Human Jurkat cell lysates Lane 10: Human MCF-7 cell lysates Primary: Anti-USP5 (bsm-51588M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 96 kDa Observed band size: 103 kDa

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.