

Anti-USP5 Antibody (5C807)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 96 kDa. Actual: 103 kDa.
Clone:	5C807
Purification:	Protein G purified

Applications

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
Verified Activity:	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 (TMAB-14027) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 96 kDa Observed band size: 103 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human USP5
Antigen Species:	Human
Gene ID:	8078
Uniprot ID:	P45974

Research 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

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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]

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481