

# Immunotag™ SENP5 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4239
Product Description	Immunotag™ SENP5 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SENP5
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Monkey
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human SENP5. AA range:651-700
Specificity	SENP5 Polyclonal Antibody detects endogenous levels of SENP5 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SENP5
Accession No.	Q96HI0 Q6NXL6
Alternate Names	SENP5; FKSG45; Sentrin-specific protease 5; Sentrin/SUMO-specific protease SENP5

## Antibody Specification

Description	SUMO1/sentrin specific peptidase 5 (SEN5) Homo sapiens The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for numerous biologic processes. SUMO-specific proteases, such as SEN5, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).[supplied by OMIM, Jun 2009],
Protein Expression	Placenta,Testis,
Subcellular Localization	nucleus,nucleoplasm,nucleolus,intracellular membrane-bounded organelle,
Protein Function	function:Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO3 to its mature form and deconjugation of SUMO2 and SUMO3 from targeted proteins. Has weak proteolytic activity against full-length SUMO1 or SUMO1 conjugates. Required for cell division.,similarity:Belongs to the peptidase C48 family.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.