

USP45 Polyclonal Antibody

Catalog No :	YT4842
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	USP45
Gene Name :	USP45
Protein Name :	Ubiquitin carboxyl-terminal hydrolase 45
Human Gene Id :	85015
Human Swiss Prot No :	Q70EL2
Mouse Gene Id :	77593
Mouse Swiss Prot No :	Q8K387
Immunogen :	The antiserum was produced against synthesized peptide derived from human USP45. AA range:301-350
Specificity :	USP45 Polyclonal Antibody detects endogenous levels of USP45 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 90kD

Background : The protein encoded by this gene is a deubiquitylase that binds ERCC1, the catalytic subunit of the XPF-ERCC1 DNA repair endonuclease. This endonuclease is a critical regulator of DNA repair processes, and the deubiquitylase activity of the encoded protein is important for maintaining the DNA repair ability of XPF-ERCC1. [provided by RefSeq, Sep 2016],

Function : catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol.,similarity:Belongs to the peptidase C19 family.,similarity:Contains 1 UBP-type zinc finger.,tissue specificity:Broadly expressed, with highest levels in ovary, skeletal muscle and spleen.,

Subcellular Location : Photoreceptor inner segment . Cytoplasm . Nucleus .

Expression : Widely expressed. High expression is detected in the cerebellum. In the eye, it is expressed at high levels in the optic nerve, sclera and retina, with relatively low levels in the choroid, lens and retinal pigment epithelium (PubMed:30573563).

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