

## UHL5 Rabbit Polyclonal Antibody

### Catalog #: EAB11947

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB	43	Human, Mouse

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**WB**(Western Blotting) 1:500-2000

### Product Information

<b>Conjugate</b>	Unconjugate
<b>Specificity</b>	UHL5 Rabbit Polyclonal Antibody detects endogenous levels of UHL5 protein.
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1mg/ml
<b>Format</b>	Liquid
<b>Formulation</b>	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks.
<b>UniProt ID</b>	<a href="#">Q9Y5K5</a>
<b>Entrez-Gene ID</b>	<a href="#">51377</a>

### Product Description

UHL5, also known as UCH37, is a 329 amino acid protein that functions to edit polyubiquinated protein substrates. Since UHL5 has the potential to rescue ubiquinated proteins, including oncogenic proteins, from proteasomal degradation, it is likely that deregulation of UHL5 may affect tumor growth. Through associations with Smad7, UHL5 can dramatically upregulate TGF $\beta$ -dependent gene expression by deubiquinating and stabilizing TGF $\beta$  RI. Also, since overexpression of UHL5 and other deubiquinating enzymes has been observed in many cancer cell lines, inhibition of these proteins may be of some interest in designing therapies for cancer treatment. There are four isoforms of UHL5 that exist as a result of alternative splicing events.

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