Datasheet for ABIN5608315

UCHL3 Protein (partial) (His tag)

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Overview

Quantity:	100 µg
Target:	UCHL3 (Uchl3)
Protein Characteristics:	partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UCHL3 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Sequence:	Glu 2 - Ala 230
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

Target Details

Target:	UCHL3 (Uchl3)
Alternative Name:	UCH-L3 (Uchl3 Products)
Background:	Ubiquitin carboxyl-terminal hydrolase isozyme L3 (UCH-L3), a member of peptidase C12 family, is also known as ubiquitin thioesterase L3. Deubiquitinating enzyme (DUB) that controls levels of cellular ubiquitin through processing of ubiquitin precursors and ubiquitinated proteins. UCH-L3 is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of

Target Details

	either ubiquitin or NEDD8. UCH-L3 indirectly increases the phosphorylation of IGFIR, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. It is also required for stress-response retinal, skeletal muscle and germ cell maintenance. Furthermore, UCH-L3 may be involved in working memory and can hydrolyze UBB(+1), a mutated form of ubiquitin which is not effectively degraded by the proteasome and is associated with neurogenerative disorders.
Molecular Weight:	27 kDa
Gene ID:	7347
NCBI Accession:	NP_005993
Pathways:	Feeding Behaviour, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	This recombinant protein can be used for WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 150 mM NaCl, pH 7.5
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.