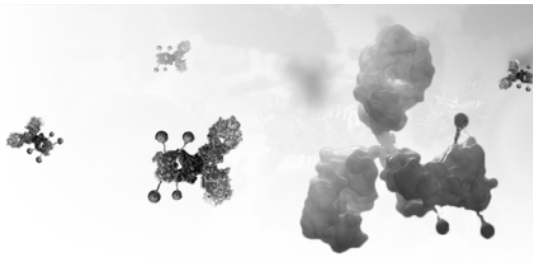

ITCH blocking peptide (CDBP5609)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in this gene are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ITCH itchy E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	ITCH
Synonyms	ITCH; itchy E3 ubiquitin protein ligase; AIF4; AIP4; NAPP1; dJ468O1.1; E3 ubiquitin-protein ligase Itchy homolog; NFE2-associated polypeptide 1; atrophin-1 interacting protein 4; itchy E3 ubiquitin protein ligase homolog; dJ468O1.1 (atrophin 1 interacting protein 4 (AIP4))

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	83737
mRNA Refseq	NM_001257137
Protein Refseq	NP_001244066
UniProt ID	Q96J02
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus; Adaptive Immune System; Antigen processing: Ubiquitination and Proteasome degradation; CXCR4-mediated signaling events; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Class I MHC mediated antigen processing and presentation; Delta-Notch Signaling Pathway; Disease
Function	CXCR chemokine receptor binding; ligase activity; protein binding; ribonucleoprotein complex binding; ubiquitin-protein transferase activity; ubiquitin-protein transferase activity; ubiquitin-protein transferase activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221