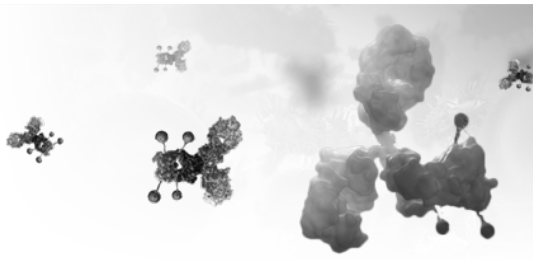

Anti-MKRN1 (aa 365-440) polyclonal antibody (DPAB-DC1125)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that belongs to a novel class of zinc finger proteins. The encoded protein functions as a transcriptional co-regulator, and as an E3 ubiquitin ligase that promotes the ubiquitination and proteasomal degradation of target proteins. The protein encoded by this gene is thought to regulate RNA polymerase II-catalyzed transcription. Substrates for this proteins E3 ubiquitin ligase activity include the capsid protein of the West Nile virus and the catalytic subunit of the telomerase ribonucleoprotein. This protein controls cell cycle arrest and apoptosis by regulating p21, a cell cycle regulator, and the tumor suppressor protein p53. Pseudogenes of this gene are present on chromosomes 1, 3, 9, 12 and 20, and on the X chromosome. Alternative splicing results in multiple transcript variants encoding different isoforms.
Immunogen	MKRN1 (NP_038474, 365 a.a. ~ 440 a.a) partial recombinant protein with GST tag. The sequence is MSNKACRYFDEGRGSCPFGGNCFYKHAYPDGRREEPQRQKVGTSSRYRAQRRNHFWELIEERENSNPFDNDEEEVV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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

Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MKRN1 makorin ring finger protein 1 [Homo sapiens (human)]
Official Symbol	MKRN1
Synonyms	MKRN1; makorin ring finger protein 1; RNF61; E3 ubiquitin-protein ligase makorin-1; RING finger protein 61;
Entrez Gene ID	23608
Protein Refseq	NP_001138597
UniProt ID	Q9UHC7
Chromosome Location	7q34
Pathway	Adaptive Immune System; Proteasome degradation; presentation;
Function	chromatin binding; ligase activity; poly(A) RNA binding; protein binding

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