



Anti-UBL5 (aa 1-73) polyclonal antibody (DPAB-DC2677)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of a group of proteins similar to ubiquitin. The encoded protein is not thought to degrade proteins like ubiquitin but to affect their function through being bound to target proteins by an isopeptide bond. The gene product has been studied as a link to predisposition to obesity based on its expression in <i>Psammomys obesus</i> , the fat sand rat, which is an animal model for obesity studies. Variation in this gene was found to be significantly associated with some metabolic traits (PMID: 15331561) but not associated with childhood obesity (PMID: 19189687). Pseudogenes of this gene are located on chromosomes 3, 5 and 17. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Immunogen	UBL5 (NP_077268, 1 a.a. ~ 73 a.a) partial recombinant protein with GST tag. The sequence is MIEVVCNDRLGKKVVRVKCNTDDTIGDLKKLIAAQTGTRWNKIVLKKWYTIFKDHVSLGDY EIHDGMNLELYYQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	UBL5 ubiquitin-like 5 [Homo sapiens (human)]
Official Symbol	UBL5
Synonyms	UBL5; ubiquitin-like 5; HUB1; ubiquitin-like protein 5; beacon;
Entrez Gene ID	59286
Protein Refseq	NP_001041706
UniProt ID	A0A024R7B0
Chromosome Location	19p13.3
Function	molecular_function; protein binding;