



# 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

<b>Antigen Description</b>	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 Psammomys obesus, 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.
<b>Immunogen</b>	UBL5 (NP_077268, 1 a.a. ~ 73 a.a) partial recombinant protein with GST tag. The sequence is MIEVVCNDRLGKKVRVKCNTDDTIGDLKKLIAAQTGTRWNKIVLKKWYTIFKDHVSLGDY EIHGGMNLELYYQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

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