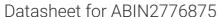
# antibodies .- online.com







## anti-Klotho antibody (Middle Region)





Publication



_					
U	١V	е	rv	le	V

Overview	
Quantity:	100 μL
Target:	Klotho (KL)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Horse, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Klotho antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KL
Sequence:	HAQNGKISIA LQADWIEPAC PFSQKDKEVA ERVLEFDIGW LAEPIFGSGD
Predicted Reactivity:	Cow: 79%, Dog: 86%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KL. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Klotho (KL) Target:

## **Target Details**

Alternative Name:	KL (KL Products)	
Background:	KL is a type-I membrane protein that is related to beta-glucosidases. Reduced production of	
	this protein has been observed in patients with chronic renal failure (CRF), and this may be one	
	of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and	
	skin atrophy) seen in CRF. Also, mutations within this protein have been associated with ageing	
	and bone loss. This gene encodes a type-I membrane protein that is related to beta-	
	glucosidases. Reduced production of this protein has been observed in patients with chronic	
	renal failure (CRF), and this may be one of the factors underlying the degenerative processes	
	(e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. Also, mutations within this	
	protein have been associated with ageing and bone loss. Publication Note: This RefSeq record	
	includes a subset of the publications that are available for this gene. Please see the Entrez	
	Gene record to access additional publications.	
	Alias Symbols: -	
	Protein Interaction Partner: IGF1R,	
	Protein Size: 1012	
Molecular Weight:	116 kDa	
Gene ID:	9365	
NCBI Accession:	NM_004795, NP_004786	
UniProt:	Q9UEF7	
Pathways:	Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling	
	Pathway, Hormone Activity, Growth Factor Binding	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 1012 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	

#### Handling

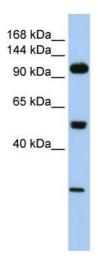
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:

Veerhuis, Boshuizen, Morbin, Mazzoleni, Hoozemans, Langedijk, Tagliavini, Langeveld, Eikelenboom: "Activation of human microglia by fibrillar prion protein-related peptides is enhanced by amyloid-associated factors SAP and C1q." in: **Neurobiology of disease**, Vol. 19, Issue 1-2, pp. 273-82, (2005) (PubMed).

## **Images**



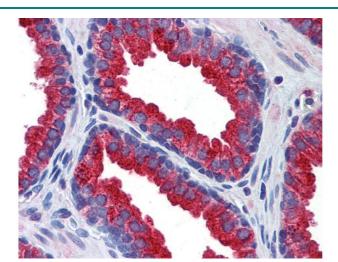
## Western Blotting

Image 1. WB Suggested Anti-KL Antibody Titration: 0.2-1

ug/ml

**ELISA Titer:** 1:1562500

Positive Control: 721\_B cell lysate



#### **Immunohistochemistry**

Image 2.