

## Anti-Serpin B6 Antibody (6G141)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6G141
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human SerpinB6 protein (TMPY-02242)
Antigen Species:	Human
Synonyms:	MSTP057;serpin peptidase inhibitor, clade B (ovalbumin), member 6;DFNB91;SPI3;CAP;DKFZp686I04222;PI-6;Serpin B6;PI6;RP1-90J20.6;MGC111370;PTI

## Research Background

SerpinB6, also known as Cytoplasmic antiproteinase, Peptidase inhibitor 6, Placental thrombin inhibitor, SERPINB6 and PI-6, is a cytoplasm protein that belongs to the serpin family and Ov-serpin subfamily. SerpinB6 / PI-6 is an inhibitor of cathepsin G, kallikrein-8 and thrombin. It may play an important role in the inner ear in the protection against leakage of lysosomal content during stress and loss of this protection results in cell death and sensorineural hearing loss. SerpinB6 / PI-6 is expressed in keratinocytes (at protein level). It is also found in placenta, cardiac muscle, lung, liver, kidney and pancreas. SerpinB6 / PI-6 is expressed in the inner ear hair cells. It's expressed abundantly by normal mast cells in different tissues and by mast cells in mastocytoma lesions. SerpinB6 / PI-6 may be involved in the regulation of serine proteinases present in the brain or extravasated from the blood. Defects in SerpinB6 are the cause of deafness autosomal recessive type 91 which is a form of non-syndromic deafness characterized by progressive and age-dependent sensorineural hearing loss. Vestibular function is normal.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481