## **Elabscience**®

## **HTRA1 Polyclonal Antibody**

## catalog number: D-AB-10103L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description		
Reactivity	Human;Mouse;Rat	
Immunogen	Recombinant Human HTRA1 protein expressed by E.coli	
Host	Rabbit	
Isotype	IgG	
Purification	Antigen Affinity Purification	
Buffer	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4	
Applications	Recommended Dilution	
WB	1:500-1:1000	
IHC	1:400-1:800	
Data		
1 2 106D=- 76D=- 4%D=-		
Western blot with HTRA1 Polyclonal antibody at dilution of		Immunohistochemistry of paraffin-embedded Human
1:500.lane 1:Mouse placenta, lane 2:Rat placenta		placenta using HTRA1 Polyclonal Antibody at dilution of
Observed-MW:51 kDa		1:800
Calculated-MW:51 kDa		
Preparation & Storage		
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.	
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.	

## Background

Serine protease with a variety of targets, including extracellular matrix proteins such as fibronectin. HTRA 1-generated fibronectin fragments further induce synovial cells to up-regulate MMP1 and MMP3 production. May also degrade proteoglycans, such as aggrecan, decorin and fibromodulin. Through cleavage of proteoglycans, may release soluble FGF-glycosaminoglycan complexes that promote the range and intensity of FGF signals in the extracellular space. Regulates the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. Inhibits signaling mediated by TGF-beta family members. This activity requires the integrity of the catalytic site, although it is unclear whether TGF-beta proteins are themselves degraded. By acting on TGF-beta signaling, may regulate many physiological processes, including retinal angiogenesis and neuronal survival and maturation during development. Intracellularly, degrades TSC2, leading to the activation of TSC2 downstream targets.