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Bhubaneswar, Odisha - 751024, INDIA

## 11-7008: Polyclonal Antibody to Furin

Clonality: Polyclonal

Application: WB
Reactivity: Human
Gene: FURIN
Gene ID: 5045
Uniprot ID: P09958
Format: Purified

Alternative Name: FURIN,FUR,PACE,PCSK3

Isotype: Rabbit IgG

Immunogen Information: A partial length recombinant Furin protein (amino acids 602-791) was used as the immunogen for

this antibody.

## **Description**

Furin is a member of the PCs family (Pro-Hormone/Pro-Protein Convertase) of subtilisin-like endoproteinases. Furin along with PCs are intensively investigated as pharmacological targets for the treatment of many diseases, e.g., atherosclerosis, hypercholesterolaemia, and cancer, as well as viral and bacterial infections. Furin has been implicated in processing the Env (Envelope) proteins of human endogenous retroviruses, syncytins, the only possible fusogens known to be involved in placenta syncytialization, and therefore may participate in syncytin-mediated cell fusion in cells of both trophoblast and non-trophoblast lineages. Furin catalyzes proteolytic maturation of a diverse repertoire of growth factors, receptors, and enzyme precursors within multiple secretory pathway compartments. Proteolysis by furin is highly specific and occurs at C-terminal to a multibasic recognition motive. Furin is highly expressed in EVTs (Extravillous CTBs) and that furin function is required for trophoblast cell invasion into the maternal endometrium.

## **Product Info**

**Amount :**  $25 \mu g / 100 \mu g$ 

**Purification:** Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 µg/ml



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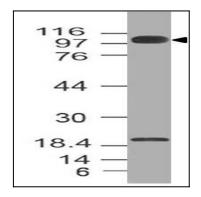


Fig-1:Western blot analysis of Furin. Anti-Furin antibody (11-7008) was used at 2  $\mu\text{g/ml}$  on U87 lysate.