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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 µg / 100 µg
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 :	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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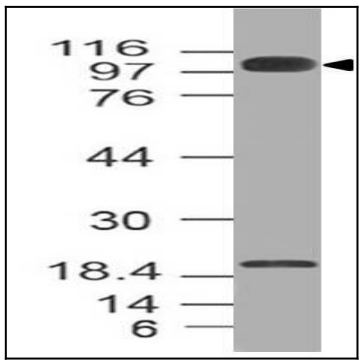

Fig-1:Western blot analysis of Furin. Anti-Furin antibody (11-7008) was used at 2 µg/ml on U87 lysate.