

## Anti-Latexin Antibody (7N890)

### Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7N890
Purification:	Protein A

### Applications

Verified Activity:	1. Anti-LXN mouse monoclonal antibody at 1:500 dilution. -Lane A: A549 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:26 kDa. -Observed band size:26 kDa.
	2. LXN was immunoprecipitated using: -Lane A:0.5 mg MCF-7 Whole Cell Lysate -0.5 µL anti-LXN mouse monoclonal antibody and 15 µl of 50 % Protein G agarose. -Primary antibody: -Anti-LXN mouse monoclonal antibody, at 1:500 dilution. -Secondary antibody: -Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. -Developed using the odyssey technique. -Performed under reducing conditions. -Predicted band size: 25.7 kDa. -Observed band size: 27 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:5000-1:10000; IP: 1-2 µL/mg of lysate

### 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 Latexin protein (TMPY-00870)

Antigen Species: Human

Synonyms: latexin

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### Research Background

Latexin, also known as endogenous carboxypeptidase inhibitor, tissue carboxypeptidase inhibitor, TCI, ECI, and LXN, is a cytoplasm protein that belongs to the protease inhibitor I47 (latexin) family. It is highly expressed in the heart, prostate, ovary, kidney, pancreas, and colon. Latexin / LXN is the only known endogenous specific inhibitor of zinc-dependent metalloproteinases (MCPs) present in mammals so far. Latexin is originally identified as a molecular marker for the regional specification of the neocortex in development in rats. The 222 amino acid latexin in the human shows different expression distribution with high levels in heart, prostate, ovary, kidney, pancreas, and colon, but only moderate or low levels in other tissues including the brain. Latexin is also expressed at high levels and is inducible in macrophages in concert with other protease inhibitors and potential protease targets, and thus is suggested to play a role in inflammation and innate immunity pathways. Despite the non-detectable sequence similarity with plant and parasite inhibitors, Latexin is related to a human putative tumor suppressor protein, TIG1. Also, Latexin is implicated in Alzheimer's disease.

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