

HYAL3 rabbit pAb

Catalog No :	YN7259
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	HYAL3
Gene Name :	HYAL3 LUCA3
Protein Name :	Hyaluronidase-3 (Hyal-3) (EC 3.2.1.35) (Hyaluronoglucosaminidase-3) (Lung carcinoma protein 3) (LuCa-3)
Human Gene Id :	8372
Human Swiss Prot No :	O43820
Mouse Gene Id :	109685
Mouse Swiss Prot No :	Q8VEI3
Rat Gene Id :	300993
Rat Swiss Prot No :	Q76HM9
Immunogen :	Synthesized peptide derived from human HYAL3
Specificity :	This antibody detects endogenous levels of HYAL3 at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 46kD

Function : Facilitates sperm penetration into the layer of cumulus cells surrounding the egg by digesting hyaluronic acid. Involved in induction of the acrosome reaction in the sperm. Involved in follicular atresia, the breakdown of immature ovarian follicles that are not selected to ovulate. Induces ovarian granulosa cell apoptosis, possibly via apoptotic signaling pathway involving CASP8 and CASP3 activation, and poly(ADP-ribose) polymerase (PARP) cleavage. Has no hyaluronidase activity in embryonic fibroblasts in vitro. Has no hyaluronidase activity in granulosa cells in vitro.

Subcellular Location : Secreted . Cell membrane . Cytoplasmic vesicle, secretory vesicle, acrosome . Endoplasmic reticulum . Early endosome . Mostly present in low-density vesicles. Low levels in higher density vesicles of late endosomes and lysosomes. Localized in punctate cytoplasmic vesicles and in perinuclear structures, but does not colocalize with LAMP1. Localized on the plasma membrane over the acrosome and on the surface of the midpiece of the sperm tail. .

Expression : Expressed in sperm (PubMed:20586096). Highly expressed in epidermis of the skin, where it is expressed intracellularly in the deep horny layer (at protein level) (PubMed:21699545). Bone marrow, testis and kidney (PubMed:10493834).

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