



Mouse mAb to human Ribonuclease 7 (clone 4F9)

Catalogue #	408-100
Immunogen:	Human Ribonuclease 7
Immunogen Description:	Recombinant human RNase 7 protein produced by CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line
Alternative Names:	RNase 7, SAP-2 (Skin-derived antimicrobialprotein 2)
Uniprot ID:	Q9H1E1
Clonality:	Mouse monoclonal
Clone:	4F9
Class:	mIgG1
Reactivity:	Human Ribonuclease7
Application:	ELISA,WB in non-reduced conditions, IHC, IF
Protocol:	Monoclonal antibody optimal dilution has to be established practically for each antigen and assay format
ELISA:	0,02-0,05 µg/ml
IF:	1-10 µg/ml
IHC:	5-20 µg/ml
Purification:	Protein G purification
Buffer:	PBS pH 7.4, with 0.1 % sodium azide
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at -20 °C to -70 °C upon receipt. Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles as product degradation may result
Background:	RNase 7 exhibit potent ribonuclease activity and thus may contribute to the well-known

ribonuclease activity of human skin. RNase 7 revealed broad spectrum antimicrobial activity against many pathogenic microorganisms and remarkably potent activity (lethal dose of 90% < 30 nm) against a vancomycin-resistant *Enterococcus faecium* (Harder and Schröder, 2002)

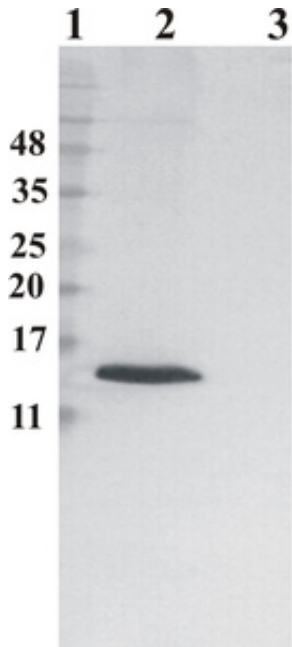


Figure 1. Western Blot analysis of RNase 7 antibody 4F9. Human RNase 7 was expressed by CHOEBNALT85 cell line. 10 µl of cell culture supernatant was loaded per line. Line 1. Prestained Protein Ladder, Naxo 8003; Line 2. non-reduced conditions; Line 3. Reduced conditions

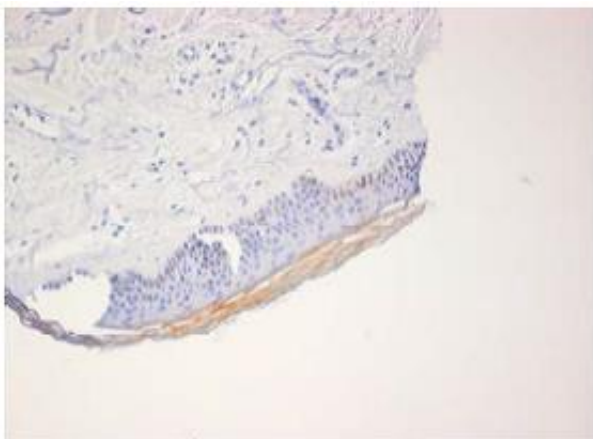


Figure 2. Immunohistochemistry analysis of RNase 7 antibody 4F9. Analysis was performed using paraffin-embedded human skin tissue sample. Anti-RNase 7 antibody 4F9 1:500 was used as primary antibody. Biotinylated anti-mouse antibody was used as secondary antibody. Streptavidin-HRP conjugate

was used for visualization