

Mouse mAb to human Ribonuclease 7 (clone 3C2)

Catalogue # 406-100

Immunogen: Human Ribonuclease 7

Immunogen Recombinant human RNase 7 protein produced

Description: by CHO-based Icosagen Cell factory Ltd.

proprietary suspension cell line

Alternative Names: RNase 7, SAP-2 (skin-derived antimicrobial

protein 2)

Uniprot ID: Q9H1E1

Clonality: Mouse monoclonal

Clone: 3C2

Class: mlgG1

Reactivity: Human Ribonuclease7

Application: ELISA, WB, IF, IHC

Protocol: Monoclonal antibody optimal dilution has to be

established practically for each antigen and

assay format

ELISA: 0,05-0,1 μg/ml

IF: $2-20 \mu g/ml$

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)

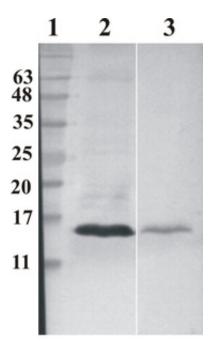


Figure 1. Western Blot analysis of RNase 7 antibody 3C2. Human RNase 7 was expressed by CHOEBNALT85 cell line. 10 μ l of cell culture supernatant was loaded per line. Line 1. Prestained Protein Ladder, Naxo 8003; Line 2. non-reduced conditions; Line 3. Reduced conditions.



Figure 2. Immunohistochemistry analysis of of RNase 7 antibody 3C2. Analysis was performed using paraffin-embedded human skin tissue sample. Anti-RNase 7 antibody 3C2 was used as primary antibody. Biotinylated anti-mouse antibody was used as secondary antibody. Streptavidin-HRP conjugate was used for visualization.