



Rabbit pAb to human Ribonuclease 8

Catalogue #	430-100
Immunogen:	Human Ribonuclease 8
Immunogen Description:	Recombinant human RNase 8 protein produced by CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line
Alternative Names:	RNase 8
Uniprot ID:	Q8TDE3
Clonality:	Polyclonal
Class:	IgG
Reactivity:	human RNase 8, cross-reactivity to human RNase 7
Application:	ELISA, WB, IF
Protocol:	Antibody optimal dilution has to be established practically for each antigen and assay format
ELISA:	1-2 µg/ml
IF:	1-10 µg/ml
Purification:	RNase 8 - affinity purified
Buffer:	Concentrated ammonium sulphate in PBS pH 7.4
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at +4°C upon receipt. As product is (NH ₄) ₂ SO ₄ precipitate, mix well by pipetting or vortexing prior use
Background:	The RNase 8 gene is linked to seven other RNase A superfamily genes on chromosome 14. It is expressed prominently in the placenta, but is not detected in any other tissues examined. The ribonucleolytic activity of recombinant human RNase 8 is among the lowest of members of this superfamily and it exhibits neither antiviral nor antibacterial activities characteristic of some

other RNase A ribonucleases (reviewed from Zhang et al. 2002, NAR, 30 (5) 1169-1175).

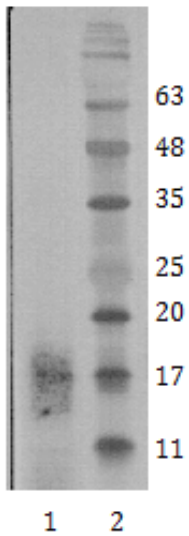


Figure 1. Western Blot analysis of polyclonal RNase 8 antibody. Human RNase 8 was expressed by CHOEBNALT85 cell line. 50 ng of purified protein was loaded per line. Line 1. 50 ng non-reduced RNase 8; Line 2. Prestained Protein Ladder, Naxo 8003. Primary antibody concentration 1 $\mu\text{g/ml}$ was used for analysis.

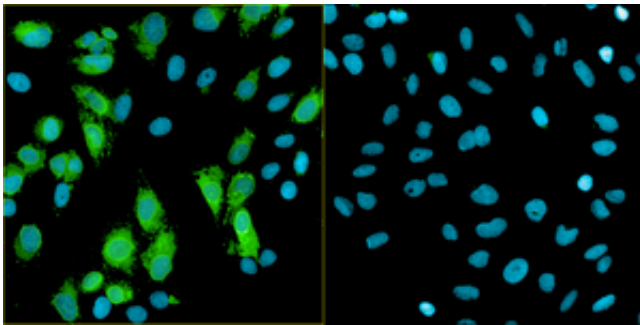


Figure 2. Immunofluorescence detection of human RNase 8 expressed in U2OS cells by anti-RNase 8 polyclonal antibody. Anti-RNase 8 antibody concentration in IF experiment was 1 $\mu\text{g/ml}$. Goat ant-rabbit AlexaFluor488 was used as secondary antibody. For nuclear staining DAPI was used. ArrayScan VTI platform (Thermo Scientific) was used for image acquisition (10x objective). Composite picture was generated using pseudocolors green for RNase 8 specific signal and blue for nuclei. A. Human RNase 8 – expressing U2OS cells; B. Negative control (non-transfected U2OS cells).