

RDH12 Rabbit pAb

CatalogNo: YN8232

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 35kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

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

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human RDH12

Specificity

This antibody detects endogenous levels of RDH12 at Human, Mouse

| Target Information

Gene name

RDH12

Protein Name	Retinol dehydrogenase 12 (All-trans and 9-cis retinol dehydrogenase)		
	Organism	Gene ID	UniProt ID
	Human	145226 ;	Q96NR8 ;
	Mouse	77974 ;	Q8BYK4 ;
Cellular Localization	Endoplasmic reticulum membrane .		
Tissue specificity	Widely expressed, mostly in retina, kidney, brain, skeletal muscle, pancreas and stomach.		
Function	Retinoids dehydrogenase/reductase with a clear preference for NADP. Displays high activity towards 9-cis, 11-cis and all-trans-retinal. Shows very weak activity towards 13-cis-retinol . Also exhibits activity, albeit with lower affinity than for retinaldehydes, towards lipid peroxidation products (C9 aldehydes) such as 4-hydroxynonenal and trans-2-nonenal . May play an important function in photoreceptor cells to detoxify 4-hydroxynonenal and potentially other toxic aldehyde products resulting from lipid peroxidation . Has no dehydrogenase activity towards steroids .		

Validation Data

Contact information

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RDH12 Rabbit pAb

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