

ABCA3 Rabbit pAb (AR20081)

Key Features

Host Species:	Rabbit
Reactivity:	Human, Mouse
Applications:	WB, ELISA
Isotype:	IgG
MW:	187kD (Observed)

Recommended Dilution Ratios

WB:	1:500-2000
ELISA:	1:5000-20000

Storage

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

Basic Information

Clonality	Polyclonal
-----------	------------

Immunogen Information

Specificity	ABCA3 Polyclonal Antibody detects endogenous levels of protein.
-------------	---

Target Information

Gene name	ABCA3 ABC3
-----------	------------

Protein Name	ATP-binding cassette sub-family A member 3 (ABC-C transporter) (ATP-binding cassette transporter 3) (ATP-binding cassette 3)
--------------	---

Organism	Gene ID	UniProt ID
Human	21	Q99758
Mouse		Q8R420

Cellular Localization	Endosome, multivesicular body membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane . Late endosome membrane . Lysosome membrane . Localized in the limiting membrane of lamellar bodies in lung alveolar type II cells (PubMed:22673903, PubMed:16959783, PubMed:24142515, PubMed:27177387, PubMed:11718719). Trafficks via the Golgi, sorting vesicles (SVs) and late endosome/multivesicular body network directly to the outer membrane of lamellar bodies in AT2 lung epithelial cells or to lysosomes and lysosomal-related
-----------------------	---

organelles (LROs) in other cells where undergoes proteolytic cleavage and oligosaccharide processing from high mannose type to complex type (PubMed:24142515, PubMed:20863830, PubMed:16959783, PubMed:27177387). Oligomers formation takes place in a post-endoplasmic reticulum compartment (PubMed:27352740). .

Tissue specificity

Expressed in brain, pancreas, skeletal muscle and heart (PubMed:8706931). Highly expressed in the lung in an AT2-cell-specific manner (PubMed:11718719, PubMed:8706931). Weakly expressed in placenta, kidney and liver (PubMed:8706931). Also expressed in medullary thyroid carcinoma cells (MTC) and in C-cell carcinoma (PubMed:8706931).

For Research Use Only