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Anti-Arylsulfatase E Antibody

Catalog # AP51000

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P51690
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65669

Additional Information

Gene ID	415
Other Names	Arylsulfatase E; ASE
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Arylsulfatase E. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

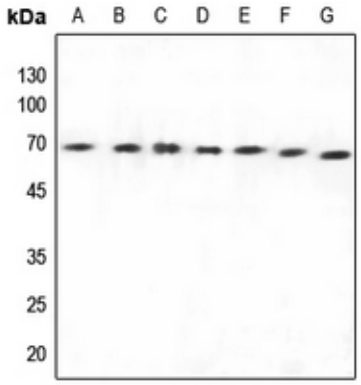
Protein Information

Name	ARSL (HGNC:719)
Synonyms	ARSE
Function	Exhibits arylsulfatase activity towards the artificial substrate 4-methylumbelliferyl sulfate (PubMed:7720070, PubMed:9497243). May be essential for the correct composition of cartilage and bone matrix during development (PubMed:7720070). Has no activity toward steroid sulfates (PubMed:7720070).
Cellular Location	Golgi apparatus, Golgi stack
Tissue Location	Expressed in the pancreas, liver and kidney.

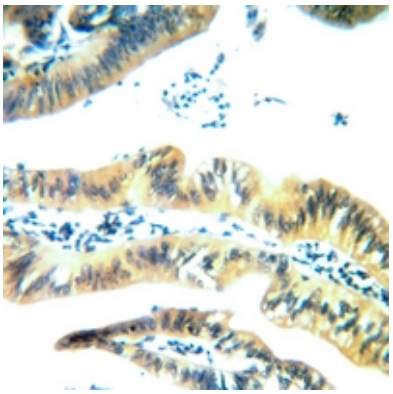
References

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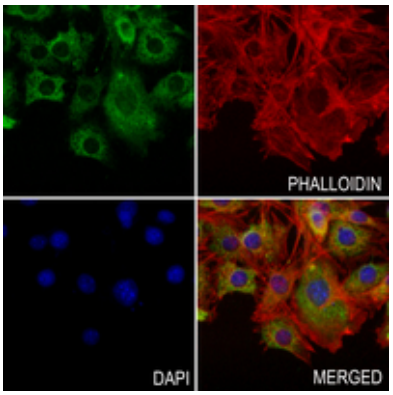
Images



Western blot analysis of Arylsulfatase E expression in HEK293T (A), Hela (B), HGC27 (C), mouse kidney (D), mouse lung (E), rat kidney (F), rat lung (G) whole cell lysates. (Predicted band size: 65 kD; Observed band size: 65 kD)



Immunohistochemical analysis of Arylsulfatase E staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Arylsulfatase E staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.