

## Arylsulfatase D Polyclonal Antibody

<b>Catalog No :</b>	YT0348
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	Arylsulfatase D
<b>Gene Name :</b>	ARSD
<b>Protein Name :</b>	Arylsulfatase D
<b>Human Gene Id :</b>	414
<b>Human Swiss Prot No :</b>	P51689
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ARSD. AA range:331-380
<b>Specificity :</b>	Arylsulfatase D Polyclonal Antibody detects endogenous levels of Arylsulfatase D protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	70kD

## Background :

The protein encoded by this gene is a member of the sulfatase family. Sulfatases are essential for the correct composition of bone and cartilage matrix. The encoded protein is postrationally glycosylated and localized to the lysosome. This gene is located within a cluster of similar arylsulfatase genes on chromosome X. A related pseudogene has been identified in the pseudoautosomal region of chromosome Y. [provided by RefSeq, Jul 2011],

## Function :

cofactor: Binds 1 calcium ion per subunit., PTM: The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity., similarity: Belongs to the sulfatase family., tissue specificity: Expressed in the pancreas, kidney, liver, lung, placenta, brain and heart.,

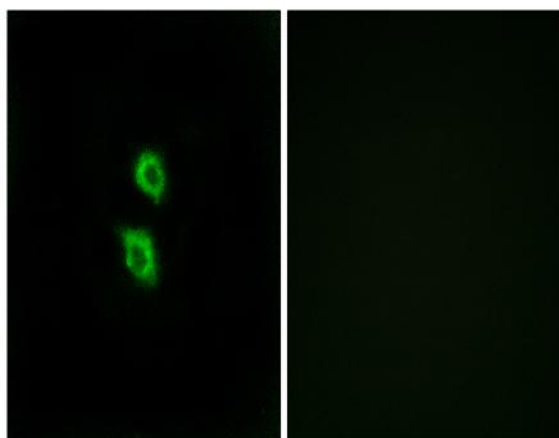
## Subcellular Location :

Lysosome .

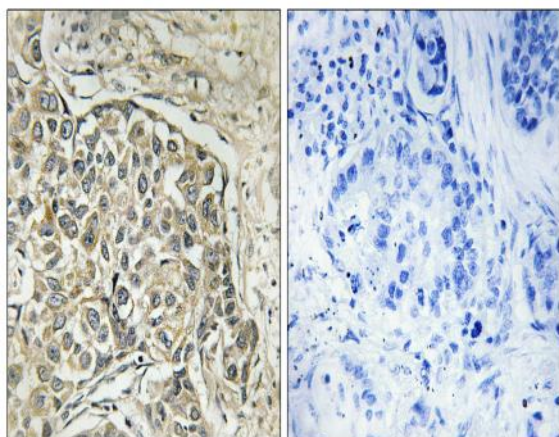
## Expression :

Expressed in the pancreas, kidney, liver, lung, placenta, brain and heart.

## Products Images



Immunofluorescence analysis of MCF7 cells, using ARSD Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ARSD Antibody. The picture on the right is blocked with the synthesized peptide.