



Arylsulfatase K Polyclonal Antibody

Catalog No	YP-Ab-03731
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ARSK
Immunogen	The antiserum was produced against synthesized peptide derived from human ARSK. AA range:481-530
Specificity	Arylsulfatase K Polyclonal Antibody detects endogenous levels of Arylsulfatase K protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	arsk;ARSK_HUMAN;arylsulfatase family member K;Arylsulfatase K; Arylsulfatase K precursor;ASK;DKFZp313G1735;OTTHUMP149978;Telethon sulfatase;TSULF
Observed Band	62kD
Calculated Molecular Weight	62kD
Cell Pathway	Secreted . Lysosome .
Tissue Specificity	Expressed at high levels in the placenta and pancreas (PubMed:23986440). Expressed at intermediate levels in the lung, brain, heart, liver and kidney and at low levels in the muscle (PubMed:23986440).
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.,
Background	Sulfatases (EC 3.1.5.6), such as ARSK, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of



macromolecules (Sardiello et al., 2005 [PubMed 16174644]).[supplied by OMIM, Mar 2008],

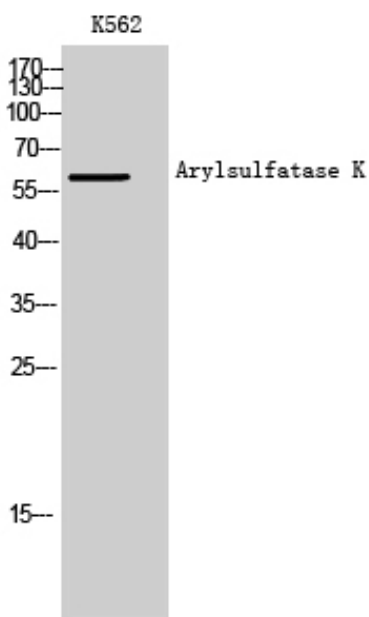
matters needing attention

Avoid repeated freezing and thawing!

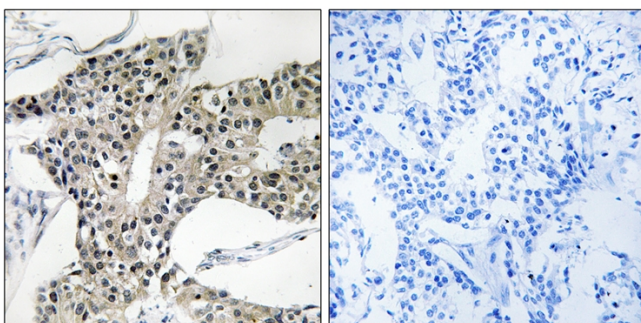
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of K562 cells using Arylsulfatase K Polyclonal Antibody



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