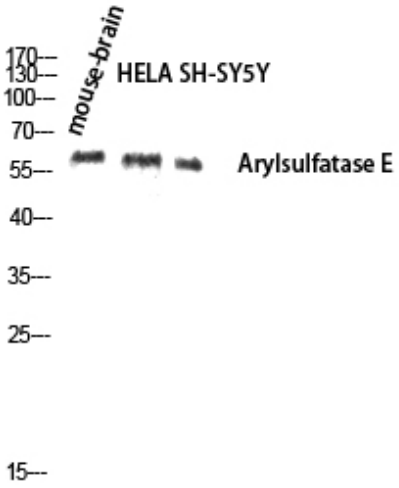
Arylsulfatase E Polyclonal Antibody

Catalog No	YP-Ab-03727
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ARSE
Protein Name	Arylsulfatase E
Immunogen	Synthesized peptide derived from Arylsulfatase E . at AA range: 120-200
Specificity	Arylsulfatase E Polyclonal Antibody detects endogenous levels of Arylsulfatase E 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	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARSE; Arylsulfatase E; ASE
Observed Band	65kD
Cell Pathway	Golgi apparatus, Golgi stack .
Tissue Specificity	Expressed in the pancreas, liver and kidney.
Function	cofactor:Binds 1 calcium ion per subunit.,disease:Defects in ARSE are the cause of chondrodysplasia punctata X-linked recessive type 1 (CDPX1) [MIM:302950]. CDP is a clinically and genetically heterogeneous disorder characterized by punctiform calcification of the bones. CDPX1 is a congenital defect of bone and cartilage development characterized by aberrant bone mineralization, severe underdevelopment of nasal cartilage, and distal phalangeal hypoplasia. This disease can also be induced by inhibition with the drug warfarin.,enzyme regulation:Inhibited by millimolar concentrations of warfarin.,function:May be essential for the correct composition of cartilage and bone matrix during development. Has no activity toward steroid sulfates.,PTM:N-glycosylated.,PTM:The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cyste
Background	Arylsulfatase E is a member of the sulfatase family. It is glycosylated postranslationally and localized to the golgi apparatus. Sulfatases are essential for

	the correct composition of bone and cartilage matrix. X-linked chondrodysplasia punctata, a disease characterized by abnormalities in cartilage and bone development, has been linked to mutations in this gene. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on the Y chromosome. [provided by RefSeq, Sep 2013],
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 mouse-brain HELA SH-SY5Y lysis using Arylsulfatase E antibody. Antibody was diluted at 1:1000