



Anti-ARSG monoclonal antibody (DCABH-10622)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Sulfatases, such as ARSG, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules. This gene, a novel arylsulfatase, has activity toward pseudosubstrates including p-nitrocatechol sulfate and 4-methylumbelliferyl sulfate. Activity is competitively inhibited by phosphate. The unprocessed protein is active as a 63-kDa monomer and demonstrates an acidic pH optimum as typically seen for lysosomal sulfatases. The protein accumulates within lysosomes and is also a glycoprotein that binds specifically to mannose 6-phosphate receptors.
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Immunogen	A synthetic peptide of human ARSG is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ARSG arylsulfatase G [Homo sapiens]
Official Symbol	ARSG
Synonyms	ARSG; arylsulfatase G; KIAA1001; ASG;
Entrez Gene ID	22901
Protein Refseq	NP_055775
UniProt ID	A0A024R8K1
Chromosome Location	17q24
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem.
Function	arylsulfatase activity; NOT arylsulfatase activity; arylsulfatase activity; hydrolase activity; metal ion binding;