

Datasheet for ABIN7602812
anti-Arylsulfatase E antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Arylsulfatase E (ARSE)
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Arylsulfatase E antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-ARSE/ASE Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of rat ARSE/ASE, which shares 77.8% amino acid (aa) sequence identity with human ARSE/ASE.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ARSE/ASE Antibody Picoband® (ABIN7602812). Tested in WB applications. This antibody reacts with Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Arylsulfatase E (ARSE)
Alternative Name:	Arse (ARSE Products)
Background:	<p>Synonyms: Pre T-cell antigen receptor alpha, pT-alpha, pTa, pT-alpha-TCR, PTCRA</p> <p>Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.</p> <p>Background: Arylsulfatase E, also known as ARSE, is an enzyme that, in humans, is encoded by the ARSE gene. Arylsulfatase E is a member of the sulfatase family. It is glycosylated postrationally 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.</p>
Molecular Weight:	70 kDa
Gene ID:	310326

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Rat</p> <p>1. Brunetti-Pierri, N., Andreucci, M. V., Tuzzi, R., Vega, G. R., Gray, G., McKeown, C., Ballabio, A., Andria, G., Meroni, G., Parenti, G. X-linked recessive chondrodysplasia punctata: spectrum of arylsulfatase E gene mutations and expanded clinical variability. Am. J. Med. Genet. 117A: 164-168, 2003. 2. Daniele, A., Parenti, G., d'Addio, M., Andria, G., Ballabio, A., Meroni, G. Biochemical characterization of arylsulfatase E and functional analysis of mutations found in patients with X-linked chondrodysplasia punctata. Am. J. Hum. Genet. 62: 562-572, 1998. 3. Franco, B., Meroni, G., Parenti, G., Levilliers, J., Bernard, L., Gebbia, M., Cox, L., Maroteaux, P., Sheffield, L., Rappold, G. A., Andria, G., Petit, C., Ballabio, A. A cluster of sulfatase genes on Xp22.3: mutations in chondrodysplasia punctata (CDPX) and implications for warfarin embryopathy. Cell 81: 15-25, 1995.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.