



ARSE, Arylsulfatase E polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-10488
Animal ID	RB0133-0134
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_000047
Amount	100 µg

Alternative Name(s):

CDPX, CDPX1, CDPXR, arylsulfatase E, chondrodysplasia punctata 1 protein

References:

1. 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(3): 562-572 (1998).
2. Puca AA, Zollo M, Repetto M, Andolfi G, Guffanti A, Simon G, Ballabio A, Franco B: Identification by shotgun sequencing, genomic organization, and functional analysis of a fourth arylsulfatase gene (ARSF) from the Xp22.3 region. *Genomics* 42(2): 192-199 (1997).
3. Franco B, Meroni G, Parenti G, Levilliers J, Bernard L, Gebbia M, Cox L, Maroteaux P, Sheffield L, Rappold GA, et al.: A cluster of sulfatase genes on Xp22.3: mutations in chondrodysplasia punctata (CDPX) and implications for warfarin embryopathy. *Cell* 81(1): 15-25 (1995).

Arylsulfatase E (ARSE) is a member of the sulfatase family and is glycosylated postrationally and localized to the golgi apparatus. Sulfatases are essential for the correct composition of bone and cartilage matrix. X-linked recessive, brachytelephalic chondrodysplasia punctata (CDPX), a disease characterized by abnormalities in cartilage and bone development, has been linked to mutations in ARSE.

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

KLH conjugated synthetic peptide comprised of amino acids 181 - 198 [CARWELSEKRVNLEQKLN] of the human arylsulfatase E (ARSE) protein.

Application

Tested by peptide-specific ELISA (1:1,000).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.