



Anti-SRD5A2 (aa 28-65) polyclonal antibody (DPAB-DC2958)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH).
Immunogen	SRD5A2 (NP_000339.2, 28 a.a. ~ 65 a.a) partial recombinant protein with GST tag. The sequence is AKPSGYGKHTESLKPAATRLPARAAWFLQELPSFAVPA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SRD5A2 steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2) [Homo sapiens (human)]
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Official Symbol	SRD5A2
Synonyms	SRD5A2; steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2); 3-oxo-5-alpha-steroid 4-dehydrogenase 2; S5AR 2; SR type 2; 5 alpha-SR2; type II 5-alpha reductase; steroid 5-alpha-reductase 2;
Entrez Gene ID	6716
Protein Refseq	NP_000339
UniProt ID	P31213
Chromosome Location	2p23
Pathway	Androgen biosynthesis; Metabolism of lipids and lipoproteins; Prostate cancer; Steroid hormone biosynthesis
Function	3-oxo-5-alpha-steroid 4-dehydrogenase activity; cholestenone 5-alpha-reductase activity; sterol 5-alpha reductase activity;