

DNAxPAb

Hard-to-Find
Antibody

ASS1 DNAxPab

Catalog # H00000445-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ASS1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSSKGSVVLAYSGGLDTSCILVWLKEQGYDVIAYLANIGQKEDFEEARKKALKLGAKKVFIEDVSR EFVEEFIWPAIQSSALYEDRYLLGTSLARPCIAKQVEIAQREGAKYVSHGATGKGNDQVRFELSC YSLAPQIKVIAPWRMPEFYNRFKGRNDLMEYAKQHGIPIVTPKNPWSMDENLMHISYEAGILENPK NQAPPGLYTKTQDPAKAPNTPDILEIEFKKGVPVKVTNVKDGTTHTSLELFMYLNEVAGKHGVG RIDIVENRFIGMKSRGIETPAGTILYHAHLDIEAFTMDREVRKIKQGLGLKFAELVYTGFWHSPECE FVRHCAKSQERVEGKVQVSVLKGQVYILGRESPLSLYNEELVSMNVQGDYEPTDATGFININSLR LKEYHRLQSKVTAK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ASS1

Entrez GeneID	445
GeneBank Accession#	NM_000050.4
Protein Accession#	NP_000041.2
Gene Name	ASS1
Gene Alias	ASS, CTLN1
Gene Description	argininosuccinate synthetase 1
Omim ID	215700 603470
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase. Mutations in the chromosome 9 copy of ASS cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene . [provided by RefSeq]
Other Designations	OTTHUMP00000022362 OTTHUMP00000022363 OTTHUMP00000022364 citrulline--aspartate ligase

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)