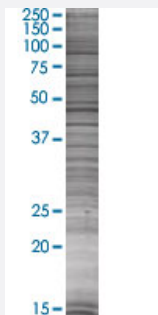


HSD11B1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003290-T02

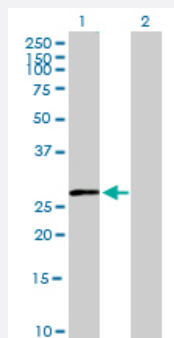
Size 100 uL

Applications



SDS-PAGE Gel

HSD11B1 transfected lysate.



Western Blot

Lane 1: HSD11B1 transfected lysate (32.4 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-HSD11B1 full-length

Host Human

Theoretical MW (kDa) 32.4

Quality Control Testing Transient overexpression cell lysate was tested with Anti-HSD11B1 antibody ([H00003290-B01P](#)) by Western Blots.
SDS-PAGE Gel
HSD11B1 transfected lysate.
Western Blot
Lane 1: HSD11B1 transfected lysate (32.4 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — HSD11B1

Entrez GeneID[3290](#)**GeneBank Accession#**[NM_005525.2](#)**Protein Accession#**[NP_005516.1](#)**Gene Name**

HSD11B1

Gene Alias

11-DH, 11-beta-HSD1, HDL, HSD11, HSD11B, HSD11L, MGC13539, SDR26C1

Gene Description

hydroxysteroid (11-beta) dehydrogenase 1

Omim ID[600713 604931](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a microsomal enzyme that catalyzes the conversion of the stress hormone cortisol to the inactive metabolite cortisone. In addition, the encoded protein can catalyze the reverse reaction, the conversion of cortisone to cortisol. Too much cortisol can lead to central obesity, and a particular variation in this gene has been associated with obesity and insulin resistance in children. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

11-beta-hydroxysteroid dehydrogenase 1|OTTHUMP00000034649|OTTHUMP00000034650|corticosteroid 11-beta-dehydrogenase isozyme 1|short chain dehydrogenase/reductase family 26C, member 1

Pathway

- [Androgen and estrogen metabolism](#)
- [C21-Steroid hormone metabolism](#)

- [Metabolic pathways](#)

Disease

- [Addison Disease](#)
- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Connective Tissue Diseases](#)
- [Cushing Syndrome](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hypertension](#)
- [Infant](#)

- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Diseases](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Polycystic Ovary Syndrome](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Social Perception](#)
- [Spinal Fractures](#)