Data Sheet (Cat.No.TMAB-04989)

Anti-DAZ4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 65 kDa. Actual: 65 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lymph node (Mouse) Lysate at 40 µg Testis (Mouse) Lysate at 40 µg Heart (Mouse) Lysate at 40 µg Epididymis (Mouse) Lysate at 40 µg Primary: Anti-DAZ4 (TMAB-04989) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kD Observed band size: 65 kD 2. Sample: Lane 1: Rat Testis tissue lysates Lane 2: Rat Stomach tissue lysates Lane 3: Human HepG2 cell lysates Lane 4: Human A549 cell lysates Primary: Anti-DAZ4 (TMAB-04989) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kDa Observed band size: 62 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human DAZ4
Antigen Species:	Human
Gene ID:	57135
Uniprot ID:	Q86SG3

Research Background

Spermatogenesis is the process by which male spermatogonia develop into mature spermatozoa. DAZ (deleted in azoospermia) are RNA-binding proteins that play an essential role in spermatogenesis. DAZ proteins influence the first stages of spermatogenesis and the maintenance of germ cell populations. DAZ proteins (DAZ1, DAZ2, DAZ3, DAZ4 and DAZ5) are encoded by separate genes on chromosome Y, each of which contain an AZFc domain in their coding region. DAZ proteins localize to the nucleus of spermatogonia, but relocate to the cytoplasm during meiosis. DAZ proteins contain an RRM (RNA recognition motif) domain that may regulate mRNA translation by binding to the 3'UTR. Deletions in the genes encoding DAZ proteins may cause azoospermia or oligospermia which can lead to male infertility. DAZ4 (deleted in azoospermia 4), also known as pDP1680 or pDP1681, is a 579 amino acid testis specific protein that contains nine DAZ-like domains and two RNA recognition motifs (RRM). DAZ4 exists as two alternatively spliced isoforms.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481