**BACKGROUND**

TIS11D, also known as ZFP36L2 (zinc finger protein 36, C3H type-like 2), BRF2 (butyrate response factor 2), ERF2 or RNF162C, is a 494 amino acid protein that localizes to the nucleus and contains two CSH1-type zinc fingers. Belonging to the TIS11 family of early response proteins, TIS11D is thought to function as a nuclear transcription factor that binds to 5'UUAUUUAUUU-3' core RNA sequences and may regulate growth factor-induced cellular responses. The gene encoding TIS11D maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the TIS11 family of early response proteins, TIS11D is thought to function as a nuclear transcription factor that binds to 5'UUAUUUAUUU-3' core RNA sequences and may regulate growth factor-induced cellular responses. The gene encoding TIS11D maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ALMS1 gene, which maps to chromosome 2.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: ZFP36L2 (human) mapping to 2p21; Zfp36l2 (mouse) mapping to 17 E4.

**SOURCE**

TIS11D (A-3) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 241-269 within an internal region of TIS11D of human origin.

**PRODUCT**

Each vial contains 200 µg IgG κ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-365908 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-365908 P, [100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein].

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**APPLICATIONS**

TIS11D (A-3) is recommended for detection of TIS11D of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000). TIS11D (A-3) is also recommended for detection of TIS11D in additional species, including canine, bovine and porcine.


Molecular Weight of TIS11D: 51 kDa.

Positive Controls: TIS11D (h2): 293T Lysate: sc-174242, Hep G2 cell lysate: sc-2227 or A549 cell lysate: sc-2413.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG κ BP-RTIC: sc-516140 or m-IgG κ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**DATA**

![Western Blot Analysis](https://www.scbt.com)

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.