**BACKGROUND**

Gamma-txixilin (also called lipopolysaccharide-specific response protein 5) is ubiquitously expressed, with an especially high level of expression in heart and skeletal muscle. γ-txixilin displays known expression in brain, placenta, lung, liver, kidney and pancreas. Taxilin family members β- and γ-txixilin bind to the α subunit of the nascent polypeptide-associated complex (NAC) and affect its nuclear distribution, suggesting that the taxilin family is involved not only in the translational process through its interaction with NAC but also in the transcriptional process through its interaction with αNAC alone.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CXorf15 (human) mapping to Xp22.2; 4932441K18Rik (mouse) mapping to X F4.

**SOURCE**

γ-txixilin (M-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of γ-txixilin of mouse origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-47460 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

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

**APPLICATIONS**

γ-txixilin (M-14) is recommended for detection of γ-txixilin isoforms 1 and 2 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Suitable for use as control antibody for γ-txixilin siRNA (m): sc-61652.

Molecular Weight of γ-txixilin: 60.6 kDa.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**RESEARCH USE**

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