

## **Product datasheet for TA355027**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## FAM38B (PIEZO2) Rabbit Polyclonal Antibody

**Product data:** 

**Product Type:** Primary Antibodies

**Applications:** ELISA, WB

**Recommended Dilution:** PIEZO2 antibody can be used for Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human and mouse samples. All other applications and

species not yet tested.

Reactivity: Human, Mouse

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** PIEZO2 antibody was raised against a peptide corresponding to 14 amino acids near the

amino terminus of human PIEZO2.

**Specificity:** PIEZO2 Antibody is predicted to not cross-react with PIEZO1.

**Formulation:** PIEZO2 Antibody is supplied in PBS containing 0.02% sodium azide.

Concentration: 1 mg/ml

**Purification:** PIEZO2 Antibody is affinity chromatography purified via peptide column.

**Conjugation:** Unconjugated

**Storage:** Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: Predicted: 233, 305 kDa; Observed: 235 kDa

**Gene Name:** piezo type mechanosensitive ion channel component 2

Database Link: NP 071351

Entrez Gene 63895 Human

Q92508

**Background:** PIEZO2 is a mechanically-activated ion channel that links mechanical forces to biological

signals. The encoded protein contains thirty transmembrane domains and likely functions as

part of mechanically-activated (MA) cation channels. These channels serve to connect mechanical forces to biological signals. The encoded protein quickly adapts MA currents in somatosensory neurons. Defects in this gene are a cause of type 5 distal arthrogryposis.

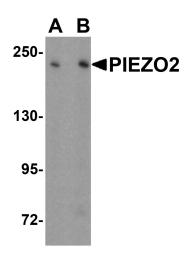




**Synonyms:** 5930434P17; 9030411M15Rik; 9430028L06Rik; Fam38b; Fam38b2

**Note:** PIEZO2 antibody can be used for Western blot at 1 - 2 μg/mL.

## **Product images:**



Western blot analysis of PIEZO2 in SK-N-SH cell lysate with PIEZO2 antibody at (A) 1 and (B) 2ug/ml.