abcam

Product datasheet

Anti-ZIP-13 antibody ab106586

2 References 3 Images

Overview

Product name	Anti-ZIP-13 antibody
Description	Rabbit polyclonal to ZIP-13
Host species	Rabbit
Specificity	At least two isoforms of ZIP-13 are known to exist; ab106586 will detect both isoforms. ab106586 is predicted to not crossreact with other ZIP family members.
Tested applications	**Suitable for:** ICC/IF, WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human ZIP-13 (N terminal). Database link: **NP_001121697**
Positive control	K562 cell lysate
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (stable for up to 12 months).
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab106586 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 39 kDa.
IHC-P		Use at an assay dependent concentration.

Target

Function Acts as a zinc-influx transporter.

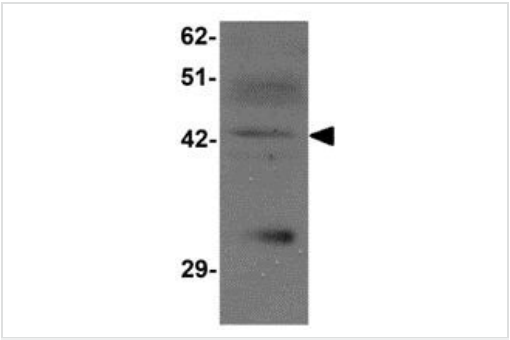
Involvement in disease Defects in SLC39A13 are the cause of Ehlers-Danlos syndrome-like spondylocheirodysplasia (SCD-EDS) [MIM:612350]. SCD-EDS is a 'spondylocheiro dysplastic form of Ehlers-Danlos syndrome'. The syndrome consists of a generalized skeletal dysplasia involving mainly the spine (spondylo) and striking clinical abnormalities of the hands (cheiro) in addition to the EDS-like features. Clinical features included postnatal growth retardation, moderate short stature, protuberant eyes with bluish sclerae, hands with finely wrinkled palms, atrophy of the thenar muscles, and tapering fingers. Patients have thin, hyperelastic skin and hypermobile small joints consistent with an Ehlers-Danlos-like phenotype. Radiologic features included mild to moderate platyspondyly, mild to moderate osteopenia of the spine, small ileum, flat proximal femoral epiphyses, short, wide femoral necks, and broad metaphyses (elbows, knees, wrists, and interphalangeal joints).

Sequence similarities Belongs to the ZIP transporter (TC 2.A.5) family.

Cellular localization Membrane.

Form There are 2 isoforms produced by alternative splicing.

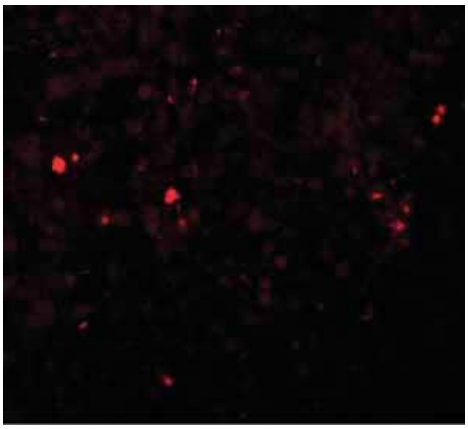
Images



Western blot - Anti-ZIP-13 antibody (ab106586)

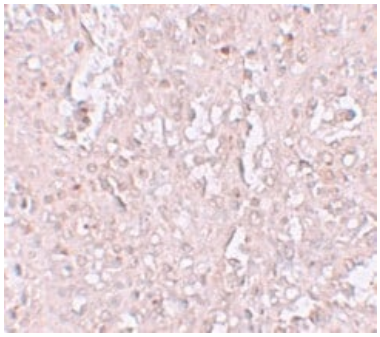
Anti-ZIP-13 antibody (ab106586) at 1 µg/ml + K562 cell lysate at 15 µg

Predicted band size: 39 kDa



Immunocytochemistry/ Immunofluorescence - Anti-ZIP-13 antibody (ab106586)

Immunofluorescence of ZIP-13 in Human spleen tissue with ab106586 at 20 ug/mL.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ZIP-13 antibody (ab106586)

Immunohistochemistry of ZIP-13 in Human spleen tissue with ab106586 at 2.5 µg/mL.

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