

Product datasheet for AP31980PU-N

OriGene Technologies, Inc.

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XAGE1 (XAGE1E) (Isoform 1d) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, IHC

Recommended Dilution: Peptide ELISA: 1/8000 (Detection limit).

Western blot: Not yet tested - our routinely used western blotting protocol does not allow

detection of proteins as small as the predicted size of approx. 8.0kDa according to

NP_597673. Therefore we cannot recommend an optimal concentration and the product is investigative grade. We would appreciate any feedback from people in the field - have any

results been reported with other antibodies/lysates? Have any further splice

variants/modified forms been reported?

Immunohistochemistry on Paraffin Sections: 3-6 µg/ml. paraffin embedded Human testis

shows polar cytoplasm staining in primary spermatocytes.

Reactivity: Human Host: Goat

Clonality: Polyclonal

Immunogen: Synthetic peptide with sequence from the C-Terminus of Human XAGE1D / GAGED2

(NP_597673.1).

Specificity: This antibody is expected to recognise Isoform d (NP_597673.1) only.

Reported variants represent identical protein (NP_597673.1; NP_001091067.1;

NP_001091074.1; NP_001091062.1; NP_001091065.1).

Formulation: Tris saline, pH~7.3

State: Aff - Purified

State: Liquid purified Ig fraction

Stabilizer: 0.5% BSA

Preservative: 0.02% Sodium Azide

Concentration: lot specific

Purification: Immunoaffinity Chromatography

Conjugation: Unconjugated

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.



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Stability: Shelf life: one year from despatch.

Gene Name: X antigen family member 1E

Database Link: Entrez Gene 653067 Human

Q9HD64

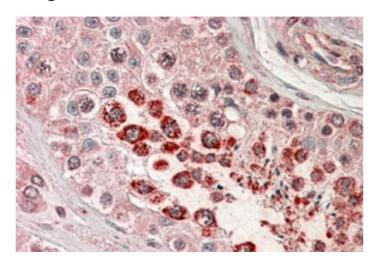
Background: XAGE1 is a member of the XAGE subfamily, which belongs to the GAGE family. The GAGE

genes are expressed in a variety of tumors and in some fetal and reproductive tissues. XAGE1 is strongly expressed in Ewing's sarcoma, alveolar rhabdomyosarcoma and normal testis. XAGE1 contains a nuclear localization signal and shares a sequence similarity with other GAGE/PAGE proteins. Because of the expression pattern and the sequence similarity, this protein also belongs to a family of CT (cancer-testis) antigens. Alternative splicing of XAGE1 generates 3 transcript variants, and one of which includes 2 transcripts generated

from alternate transcription initiation sites.

Synonyms: GAGED2, XAGE1, XAGE1A, XAGE1B, XAGE1C, XAGE1D, XAGE1E, CT12.1

Product images:



XAGE1 antibody staining of paraffin embedded Human Testis at 3.8 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.