abcam

Product datasheet

Anti-STK33 antibody ab57693

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製品の概要

製品名	Anti-STK33 antibody
製品の詳細	Mouse monoclonal to STK33
由来種	Mouse
アプリケーション	**適用あり:** WB, Flow Cyt
種交差性	**交差種:** Human
免疫原	Recombinant full length protein, corresponding to amino acids 1-515 of Human STK33

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None PBS, pH 7.2
精製度	Protein G purified
ポリ/モノ	モノクローナル
アイソタイプ	IgG2b
軽鎖の種類	kappa

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab57693の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	(1)	Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 58 kDa.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1µg for 10^6 cells. **ab170192** - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

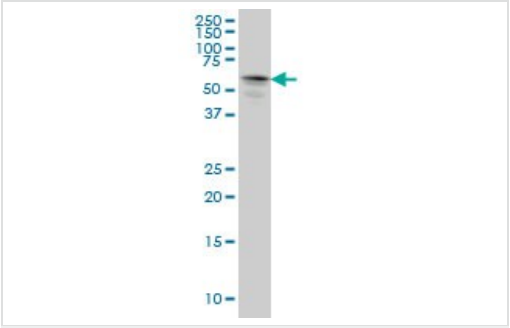
ターゲット情報

組織特異性
Highly expressed in testis, fetal lung and heart, followed by pituitary gland, kidney, interventricular septum, pancreas, heart, trachea, thyroid gland and uterus. Weak hybridization signals were observed in the following tissues: amygdala, aorta, esophagus, colon ascending, colon transverse, skeletal muscle, spleen, peripheral blood leukocyte, lymph node, bone marrow, placenta, prostate, liver, salivary gland, mammary gland, some tumor cell lines, fetal brain, fetal liver, fetal spleen and fetal thymus. No signal at all was detectable in RNA from tissues of the nervous system.

配列類似性
Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.

細胞内局在
Cytoplasm > perinuclear region.

画像



Western blot - Anti-STK33 antibody (ab57693)

STK33 antibody (ab57693) at 1ug/lane + HeLa cell lysate at 25ug/lane.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STK33 antibody (ab57693)

ab57693 (4µg/ml) staining STK33 in human testis using an automated system (DAKO Autostainer Plus). Using this protocol there is moderate cytoplasmic staining.
Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H2O2 in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were

counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.

Flow Cytometry - Anti-STK33 antibody (ab57693)

Overlay histogram showing A549 cells stained with ab57693 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab57693, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in A549 cells fixed with 80% methanol (5 min) /permeabilized in 0.1% PBS-Tween used under the same conditions.

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