MDA-MB-231 TetOn-3G ROCK2 cell line

Catalogue number: 154151
Sub-type: Continuous
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MDA-MB-231 TetOn-3G ROCK2 cell line

Alternate name: Rho-associated protein kinase 2, Rho kinase 2, Rho-associated, coiled-coil-containing protein kinase 2, Rho-associated, coiled-coil-containing protein kinase II, ROCK-II, p164 ROCK-2

Class:
Conjugate:
Description: This cell line has been engineered to enable tetracycline inducible expression of the kinase ROCK2. ROCK2 is a serine/threonine kinase which acts as a key regulator of the actin-myosin cytoskeleton and cell polarity. ROCK2 promotes contractile force generation and therefore is a modulator of cell motility and tumour cell invasion. The cell line is a derivative of a human breast cancer cell line shown to reliably metastasize to clinically relevant sites (the lungs and lymph nodes) when impla...
Purpose:
Parental cell: MDA-MB-231 D3H2LN-Luc cell line
Organism: Human
Tissue: Breast
Model: Transgenic
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:

Adherent cell line. Membrane blebbing/cytoskeleton reorganisation and migration induced in the presence of doxycycline.
Production details:
Formulation:
Recommended controls: MDA-MB-231 D3H2LN-Luc parental line
Bacterial resistance:
Selectable markers:
Additional notes: Tet-On System owned by TET Systems GmbH & Co. KG.

Target details

Target: ROCK2

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: 10% FBS/MEM-EBSS/NEAA/NaPyr/Glutamine
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions: Liquid Nitrogen
Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Unbekandt et al. 2014. Cell Commun Signal. 12:54. PMID: 25288205. ; A novel small-molecule MRCK inhibitor blocks cancer cell invasion.