

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

U2OS AVPR2 cAMP-Nomad

RRID:CVCL_YK31

Type: Cell Line

Proper Citation

RRID:CVCL_YK31

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_YK31

Proper Citation: RRID:CVCL_YK31

Description: Cell line U2OS AVPR2 cAMP-Nomad is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Osteosarcoma

Comments: Characteristics: The red cAMP-Nomad biosensor consists of a membrane localization peptide derived from interleukin-2 receptor alpha chain, a TurboFP650 fluorescent protein, a Ht31 peptide fused to a KDEL signal., Characteristics: In absence of cAMP, the fluorescent biosensor is localized in the cellular membrane. An increase in this second messenger concentration leads to change in the structural folding of Nomad biosensor that promotes its cellular relocation in the vesicular trafficking of the cells., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: U2OS AVPR2 cAMP-Nomad

Synonyms: AVPR2 cAMP-Nomad, AVPR2 Nomad, cAMPNomad-AVPR2

Cross References: Innoprot:P70517, Wikidata:Q98133728

ID: CVCL_YK31

Hierarchy: cvcl_0042

Record Creation Time: 20220427T221640+0000

Record Last Update: 20260905T182616+0000

Ratings and Alerts

No rating or validation information has been found for U2OS AVPR2 cAMP-Nomad.

No alerts have been found for U2OS AVPR2 cAMP-Nomad.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.