SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB2166-100	300 µg

Anti-Venus

Source: Goat

General description: Goat polyclonal antibody to Venus. Venus is a genetic mutant of green fluorescent protein (GFP), derived from Aequorea victoria. Its excitation/emission peaks are 515/528 nm respectively and is often used as a donor-acceptor pair by researchers in FRET based co-localization studies.

Alternative names: GFP, Green fluorescent protein antibody.

Form: ?Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant GFP peptide produced in E. coli.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 27 kDa by Western blot. This antibody also recognizes Venus/GFP and does not cross-react to mCherry/red fluorescent proteins.

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Transfected cells	+++	+++	+++	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

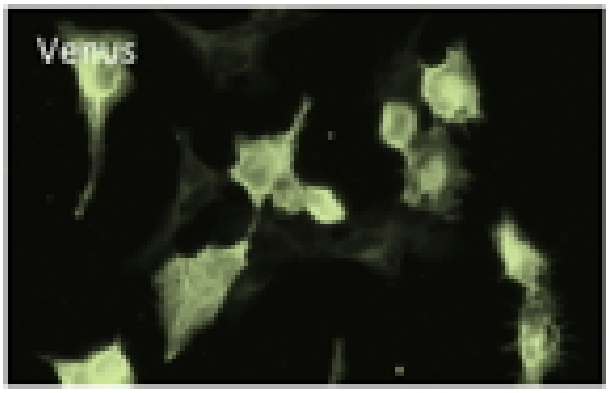
WB:	1:500-1:2,000
IHC (F):	1:50-1:1,000
IHC (P):	1:50-1:1,000
IF:	1:50-1:1,000
IEM:	1:50-1:1,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

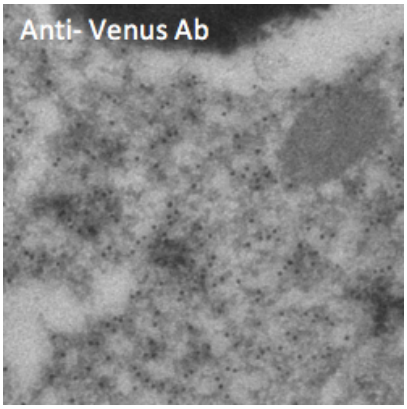
Special instructions: The antibody solution should be gently mixed before use..

References:

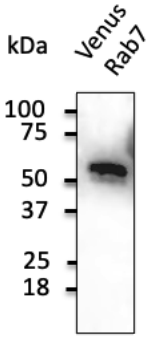
1. Arribas-Hernández L, Bressendorff S, Hansen MH, et al. Plant Cell. 2018 May PMID: 29643069
2. Tankmar, M;Reichel, M;Arribas-Hernández, L, et al. bioRix 2023
3. Sarmah P, Shang W, Origi A, et al. Cell Rep 2023 Mar
4. Tankmar MD, Reichel M, Arribas-Hernández L, et al. EMBO Rep 2023 Nov PMID: 38009565
5. Zhang H, Xiong X, Guo K, et al. Nat Commun 2024 Jul PMID: 38956103



Immunofluorescence – anti-Venus Ab in 293HEK cells transfected with Venus protein at 1/50 dilution; cells were fixed with 4% of PFA;



Immunogold labeling of epithelium cells, in vivo injected with Venus expressing vector;



Anti-Venus Ab at 1/2,000 dilution; 293HEK cells transduced with Venus-Rab7 Ad; lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to

protect this information by not publishing it on the website. However, these sequences are available on request.