

Product Datasheet

L1/ORF2 Antibody (orb345069)

Catalog Number	orb345069
Description	L1/ORF2 antibody
Species/Host	Gallus
Reactivity	Human, Primate
Conjugation	Unconjugated
Tested Applications	DOT, ELISA, WB
Immunogen	This IgY fraction antibody was prepared from eggs of chickens laid after repeated immunizations with two synthetic peptides conjugated to keyhole limpet hemocyanin (KLH). The peptides correspond to regions within the endonuclease domain of L1/ORF2 protein.
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/ml
Storage	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	Anti-L1/ORF2 Antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 149 kDa in size corresponding to L1 protein by western blotting in the appropriate cell lysate or extract.
Isotype	IgY

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	L1/ORF2 Antibody is directed against two regions within the endonuclease domain of L1 ORF2 protein. This product is an IgY fraction antibody purified from monospecific chicken egg yolks by a multi-step process which includes selective precipitation and salt fractionation followed by extensive dialysis against the buffer stated above. Reactivity occurs against human L1/ORF2 protein and is useful in determining its presence in various assays. A BLAST analysis was used to suggest cross reactivity with L1/ORF2 proteins from chimpanzee sources based on 100% homology with the immunizing sequences, and from macaque, fruit fly, cattle, dog, opossum, and rat sources based on 69 - 88% homology with the immunizing sequences.
Uniprot ID	O00370
NCBI	AAD39215.1
Dilution Range	ELISA: 1:10,000, WB: 1:2,000-1_10,000
Expiration Date	12 months from date of receipt.



Western blot using Biorbyt's IgY fraction of anti-L1/ORF2 antibody shows detection of induced bacterially expressed human ORF2 (left lane). No specific band staining is seen in the uninduced lane (right lane). The lower molecular weight bands represent non-specific staining. The band at ~70 kDa corresponds to a human L1/ORF2 EN domain fusion protein (arrowhead).

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)