

## Product datasheet for **BP419**

### Digoxigenin Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA</b> (1/100-1/5,000). <b>Western blot.</b> <b>Immunohistochemistry on Frozen Tissue.</b>
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Digoxin-3-CMO conjugated to KLH
Specificity:	The antibody recognizes Digoxigenin. It cross reacts with Digoxin and Digitoxin. Negligible reactivity has been observed with Ouabain.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G .
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

Digoxigenin is a steroid found in plants that is often attached to oligonucleotides and used as a molecular probe to detect mRNA production.

Digoxigenin (DIG) is a steroid found exclusively in the flowers and leaves of the plants *Digitalis purpurea* and *Digitalis lanata*. Digoxigenin is chemically closely related to Digoxin, the cardiac glycoside used for the treatment of various heart diseases. The term 'genin' at the end of Digoxigenin, refers to only the aglycone portion (without the sugar) part of the molecule, thus Digoxigenin is the steroid component of Digoxin, - minus the (digitose) sugar residues.

DIG can be covalently added to proteins or nucleic acids which makes it very useful in diverse applications.