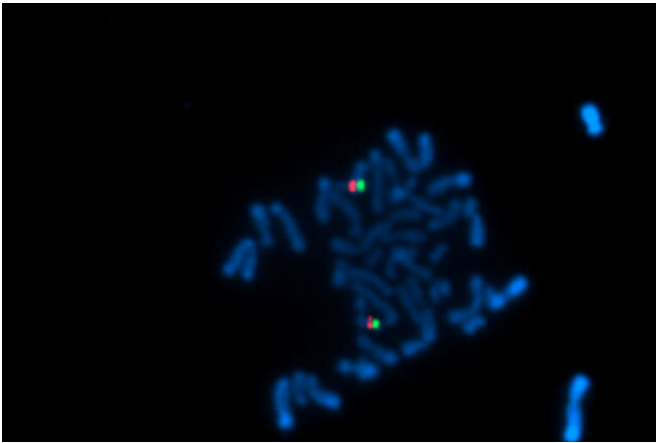


Her2/neu (ERBB2)

Her2/neu (ERBB2) / AlphaSat.17

Alterations of the HER2 proto-oncogene have been implicated in the carcinogenesis and prognosis of breast cancer. The HER2/neu (also called ERBB2) gene encodes a 185 kDa transmembrane cell surface glycoprotein and is a member of the tyrosine kinase family with a high degree of homology to the epidermal growth factor (EGF-R).

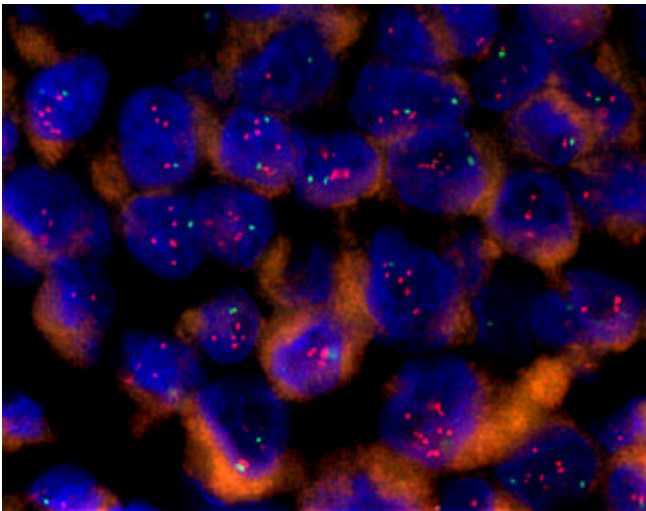
Amplification of HER2/neu has also been reported in prostate carcinoma, uterus endometrial cancer and primary gastric cancer.



PONC1712 Her2/neu / Alphasat 17, normal Metaphase

The new developed Qbiogene probe for Her2/neu uses the Universal Linkage System (ULS[®]) and is optimized to detect amplification of the HER2/neu gene region. The included Chromosome 17 Alpha-Satellite probe serves as internal control and simultaneously defines the ploidy status of Chromosome 17.

This direct labeled probes have been tested and qualified on cultured cells, blood smears and are optimized for formalin-fixed paraffin-embedded tissue sections.



PONC1712 Her2/neu / Alphasat 17, Paraffin embedded Tissue section showing low amplification of Her2/neu

Technical Information:

The 17p12 (HER2/neu) specific DNA Probe is direct-labeled with Rhodamine (Ex max. 565 nm; Em. max. 590 nm), the Chromosome 17 Alpha-Satellite Probe is direct-labeled with Fluorescein (Ex Max. 495 nm; Em max. 525 nm).

Localisation:

Locus: 17q11.2 – q12
Gene: Her2/neu (ERBB2)
Probe Size : 450 kb



Kindly provided by J.Couturier, Paris

Associated Products

In Situ Wash Buffer (Cat.# RIST2001)
DAPI/Antifade (Cat.#RIST1374)
Tissue Conversion Kit (Cat.RIST1337);

Her2/neu (ERBB2)

Her2/neu (17q12), Alpha-Satellite 17 (D17Z1)

Ordering Information

Cat. No.	Probe Description	Label	Pack Size
PONC1712	Her2/neu / Alphasat. 17	Dual-Color	10 Tests
Related Probes:			
PONC1753	17p13 (p53) /Alphasat 17	Dual-Color	10 Tests

* The Universal Linkage System (ULS®) technology is covered by an international patent family for the linkage of any label to DNA, RNA, nucleotides or proteins, owned by KREATECH Biotechnology BV, The Netherlands, including, but not restricted to, the following: EP 0539466; US 5,580,990; US 5,714,327; WO 92/01699; WO 96/35696; WO 98/15564.