

# USP6 Break Apart FISH Probe Kit

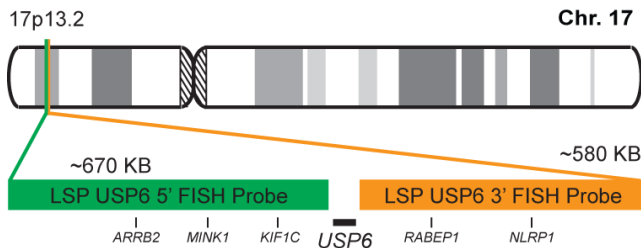
## Introduction

The USP6 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *USP6* gene located on chromosome band 17p13.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *USP6* aberrations such as deletions or amplifications. Abnormal expression of the *USP6* gene – also known as *HRP1*, *TRE2*, *TRE17*, *Tre-2*, *TRESMCR* or *USP6-short* – has been observed in bone cancer and other tumor types.

Intended Use
To detect rearrangements in the human <i>USP6</i> gene located on chromosome band 17p13.2.

Cont.	Color
LSP USP6 5' FISH Probe LSP USP6 3' FISH Probe	CytoGreen CytoOrange

## Probe Design



LSP USP6 5' FISH Probe covers some genomic sequences adjacent to the 5' end of the *USP6* gene. LSP USP6 3' FISH Probe covers some sequence downstream of the 3' end of the gene. The two probes are flanking sequences across the *USP6* gene in which variable breakpoints have been observed.

Not to Scale

Cat. No.	Volume
CT-PAC060-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2OG*	<u>Abnormal Pattern</u> Other Patterns
*Overlapping orange and green signals can appear as yellow.	

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- Nakamura T, et al. *Oncogene Res.* 2(4):357-70 (1988).
- Paulding CA, et al. *Proc Natl Acad Sci U S A.* 100(5):2507-11 (2003).
- Oliveira AM, et al. *Am J Pathol.* 165(5):1773-80 (2004).
- Oliveira AM, et al. *Oncogene*. 24(21):3419-26 (2005).



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\* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.